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(54) **Primers for synthesising full-length cDNA and their use**

(57) Primers for synthesizing full-length cDNAs and their use are provided.

5602 cDNA encoding a human protein has been isolated and nucleotide sequences of 5'-, and 3'-ends of the cDNA have been determined. Furthermore, prim-

ers for synthesizing the full-length cDNA have been provided to clarify the function of the protein encoded by the cDNA. The full-length cDNA of the present invention containing the translation start site provides information useful for analyzing the functions of the protein.

Description

FIELD OF THE INVENTION

- 5 **[0001]** The present invention relates to a polynucleotide encoding a novel protein, a protein encoded by the polynucleotide, and new uses of these.

BACKGROUND OF THE INVENTION

- 10 **[0002]** Currently, the sequencing projects, the determination and analysis of the genomic DNA of various living organisms have been in progress all over the world. The whole genomic sequences of more than 10 species of prokaryotes, a lower eukaryote, yeast, and a multicellular eukaryote, *C. elegans* are already determined. As to human genome, which is supposed to be composed of three thousand million base pairs, the world wide cooperative projects have been under way to analyze it, and the whole structure is predicted to be determined by the years 2002-2003. The aim of the determination of genomic sequence is to reveal the functions of all genes and their regulation and to understand living organisms as a network of interactions between genes, proteins, cells or individuals through deducing the information in a genome, which is a blueprint of the highly complicated living organisms. To understand living organisms by utilizing the genomic information from various species is not only important as an academic subject, but also socially significant from the viewpoint of industrial application.

- 20 **[0003]** However, determination of genomic sequences itself cannot identify the functions of all genes. For example, as for yeast, only the function of approximately half of the 6000 genes, which is predicted based on the genomic sequence, was able to be deduced. As for human, the number of the genes is predicted to be approximately one hundred thousand. Therefore, it is desirable to establish "a high throughput analysis system of the gene functions" which allows us to identify rapidly and efficiently the functions of vast amounts of the genes obtained by the genomic sequencing.

- 25 **[0004]** Many genes in the eukaryotic genome are split by introns into multiple exons. Thus, it is difficult to predict correctly the structure of encoded protein solely based on genomic information. In contrast, cDNA, which is produced from mRNA that lacks introns, encodes a protein as a single continuous amino acid sequence and allows us to identify the primary structure of the protein easily. In human cDNA research, to date, more than one million ESTs (Expression Sequence Tags) are publicly available, and the ESTs presumably cover not less than 80% of all human genes.

- 30 **[0005]** The information of ESTs is utilized for analyzing the structure of human genome, or for predicting the exon-regions of genomic sequences or their expression profile. However, many human ESTs have been derived from proximal regions to the 3'-end of cDNA, and information around the 5'-end of mRNA is extremely little. Among these human cDNAs, the number of the corresponding mRNAs whose encoding protein sequences are deduced is approximately 7000, and further, the number of full-length therein is only 5500. Thus, even including cDNA registered as EST, the percentage of human cDNA obtained so far is estimated to be 10-15% of all the genes.

- 35 **[0006]** It is possible to identify the transcription start site of mRNA on the genomic sequence based on the 5'-end sequence of a full-length cDNA, and to analyze factors involved in the stability of mRNA that is contained in the cDNA, or in its regulation of expression at the translation stage. Also, since a full-length cDNA contains ATG, the translation start site, in the 5'-region, it can be translated into a protein in a correct frame. Therefore, it is possible to produce a large amount of the protein encoded by the cDNA or to analyze biological activity of the expressed protein by utilizing an appropriate expression system. Thus, analysis of a full-length cDNA provides valuable information which complements the information from genome sequencing. Also, full-length cDNA clones that can be expressed are extremely valuable in empirical analysis of gene function and in industrial application.

- 40 **[0007]** Therefore, if a novel human full-length cDNA is isolated, it can be used for developing medicines for diseases in which the gene is involved. The protein encoded by the gene can be used as a drug by itself. Thus, it has great significance to obtain a full-length cDNA encoding a novel human protein.

- 45 **[0008]** In particular, human secretory proteins or membrane proteins would be useful by itself as a medicine like tissue plasminogen activator (TPA), or as a target of medicines like membrane receptors. In addition, genes for signal transduction-associated proteins (protein kinases, etc.), glycoprotein-associated proteins, transcription-associated proteins, etc. are genes whose relationships to human diseases have been elucidated. Moreover, genes for disease-associated proteins form a gene group rich in genes whose relationships to human diseases have been elucidated.

- 50 **[0009]** Therefore, it has great significance to isolate novel full-length cDNA clones of human, only few of which has been isolated. Especially, isolation of a novel cDNA clone encoding a secretory protein or membrane protein is desired since the protein itself would be useful as a medicine, and also the clones potentially include a gene associated with diseases. In addition, genes encoding proteins that are associated with signal transduction, glycoprotein, transcription, or diseases are expected to be useful as target molecules for therapy, or as medicines themselves. These genes form a gene group predicted to be strongly associated with diseases. Thus, identification of the full-length cDNA clones

encoding those proteins has great significance.

SUMMARY OF THE INVENTION

[0010] An objective of the present invention is to provide a polynucleotide encoding a novel protein, a protein encoded by said polynucleotide, and novel usages of these.

[0011] The inventors have developed a method for efficiently cloning a human full-length cDNA that is predicted by the ATGpr etc. to be a full-length cDNA clone, from a full-length-enriched cDNA library that is synthesized by the oligo-capping method. Then, the inventors determined the nucleotide sequence of the obtained cDNA clones from both 5'- and 3'- ends.

[0012] Furthermore, the inventors analyzed the obtained clones by the BLAST search of the databases, SwissProt (http://www.ebi.ac.uk/ebi_docs/SwissProt_db/swisshome.html), GenBank (<http://www.ncbi.nlm.nih.gov/web/GenBank>), and UniGene (Human) (<http://www.ncbi.nlm.nih.gov/UniGene>).

[0013] The full-length cDNA clones of the present invention have high fullness ratio since these were obtained by the combination of (1) construction of a full-length-enriched cDNA library that is synthesized by the oligo-capping method, and (2) a system in which the full-length ratio is evaluated from the nucleotide sequence of the 5'-end (selection based on the ATGpr, previously removed complete sequences to ESTs). However, the primer of the present invention enables to obtain full-length cDNA easily without any specialized methods as in the described method.

Homology analysis in which the analysis is carried out against a not-full-length cDNA fragment to postulate the function of a protein encoded by said fragment, is being commonly performed.

However, since such analysis is based on the information of the fragment, it is not clear as to whether this fragment corresponds to a part that is functionally important in the protein. In other words, the reliability of the homology analysis based on the information of a fragment is doubtful, as information related to the structure of the whole protein is not available. However, the homology analysis of the present invention is conducted based on the information of a full-length cDNA comprising the whole coding region of the cDNA, and therefore, the homology of various portions of the protein can be analyzed. Hence, the reliability of the homology analysis has been dramatically improved in the present invention.

[0014] The inventors completed the invention by finding that it is possible to synthesize a novel full-length cDNA by using the combination of a primer that is designed based on the nucleotide sequence of the 5'-ends of the selected full-length cDNA clones and any of an oligo-dT primer or a 3'-primer that is designed based on the nucleotide sequence of the 3'-ends of the selected clones.

[0015] Thus, the present invention relates to primers described below, a method for synthesizing a polynucleotide using the primers, and polynucleotides obtained by the method.

[0016] First, the present invention relates to

(1) use of an oligonucleotide as a primer for synthesizing the polynucleotide comprising the nucleotide sequence set forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, or the complementary strand thereof, wherein said oligonucleotide is complementary to said polynucleotide or the complementary strand thereof and comprises at least 15 nucleotides;

(2) a primer set for synthesizing polynucleotides, the primer set comprising an oligo-dT primer and an oligonucleotide complementary to the complementary strand of the polynucleotide comprising the nucleotide sequence set forth in any one of SEQ ID NOs: 1-5547 and SEQ ID NOs: 16111-16164, wherein said oligonucleotide comprises at least 15 nucleotides; and

(3) a primer set for synthesizing polynucleotides, the primer set comprising a combination of an oligonucleotide comprising a nucleotide sequence complementary to the complementary strand of the polynucleotide comprising a 5'-end nucleotide sequence and an oligonucleotide comprising a nucleotide sequence complementary to the polynucleotide comprising a 3'-end nucleotide sequence, wherein said oligonucleotides comprise at least 15 nucleotides and wherein said combination of 5'-end nucleotide sequence / 3'-end nucleotide sequence is selected from the combinations of 5'-end nucleotide sequence / 3'-end nucleotide sequence set forth in the SEQ ID NOs in Tables 1 and 2.

[0017] Tables 1 and 2 shows names of clones obtained in the examples described later, comprising the polynucleotide of the present invention (Table 1; 5547 clones, Table 2; 54 clones), names of nucleotide sequences at the 5'-end and 3'-end of the full-length cDNA, and their corresponding SEQ ID NOs. A blank indicates that the 3'-end sequence corresponding to the 5'-end sequence has not been determined for the same clone.

[0018] The SEQ ID NO of a 5'-end sequence is shown on the right side of the name of the 5'-end sequence, and the SEQ ID NO of a 3'-end sequence is shown on the right side of the name of the 3'-end sequence.

Table 1

name of clone	name of 5'-end sequence	SEQ ID of 5'-end sequence	name of 3'-end sequence	SEQ ID of 3'-end sequence
HEMBA1000005	F-HEMBA1000005	1	R-HEMBA1000005	5548
HEMBA1000012	F-HEMBA1000012	2		
HEMBA1000020	F-HEMBA1000020	3		
HEMBA1000030	F-HEMBA1000030	4	R-HEMBA1000030	5549
HEMBA1000042	F-HEMBA1000042	5	R-HEMBA1000042	5550
HEMBA1000046	F-HEMBA1000046	6	R-HEMBA1000046	5551
HEMBA1000050	F-HEMBA1000050	7	R-HEMBA1000050	5552
HEMBA1000076	F-HEMBA1000076	8	R-HEMBA1000076	5553
HEMBA1000111	F-HEMBA1000111	9	R-HEMBA1000111	5554
HEMBA1000129	F-HEMBA1000129	10	R-HEMBA1000129	5555
HEMBA1000141	F-HEMBA1000141	11	R-HEMBA1000141	5556
HEMBA1000150	F-HEMBA1000150	12	R-HEMBA1000150	5557
HEMBA1000156	F-HEMBA1000156	13	R-nnnnnnnnnnnnn	5558
HEMBA1000158	F-HEMBA1000158	14	R-HEMBA1000158	5559
HEMBA1000168	F-HEMBA1000168	15	R-nnnnnnnnnnnnn	5560

	HEMBA1000180	F-HEMBA1000180	16	R-HEMBA1000180	5561
	HEMBA1000185	F-HEMBA1000185	17	R-HEMBA1000185	5562
	HEMBA1000193	F-HEMBA1000193	18	R-HEMBA1000193	5563
5	HEMBA1000201	F-HEMBA1000201	19	R-HEMBA1000201	5564
	HEMBA1000213	F-HEMBA1000213	20	R-HEMBA1000213	5565
	HEMBA1000216	F-HEMBA1000216	21	R-HEMBA1000216	5566
	HEMBA1000227	F-HEMBA1000227	22	R-nnnnnnnnnnnnn	5567
10	HEMBA1000231	F-HEMBA1000231	23	R-HEMBA1000231	5568
	HEMBA1000243	F-HEMBA1000243	24	R-HEMBA1000243	5569
	HEMBA1000244	F-HEMBA1000244	25	R-HEMBA1000244	5570
	HEMBA1000251	F-HEMBA1000251	26	R-HEMBA1000251	5571
15	HEMBA1000264	F-HEMBA1000264	27	R-HEMBA1000264	5572
	HEMBA1000280	F-HEMBA1000280	28	R-nnnnnnnnnnnnn	5573
	HEMBA1000282	F-HEMBA1000282	29	R-HEMBA1000282	5574
	HEMBA1000288	F-HEMBA1000288	30	R-HEMBA1000288	5575
20	HEMBA1000290	F-HEMBA1000290	31	R-HEMBA1000290	5576
	HEMBA1000302	F-HEMBA1000302	32	R-HEMBA1000302	5577
	HEMBA1000303	F-HEMBA1000303	33	R-nnnnnnnnnnnnn	5578
	HEMBA1000304	F-HEMBA1000304	34	R-nnnnnnnnnnnnn	5579
25	HEMBA1000307	F-HEMBA1000307	35	R-HEMBA1000307	5580
	HEMBA1000327	F-HEMBA1000327	36		
	HEMBA1000333	F-HEMBA1000333	37	R-nnnnnnnnnnnnn	5581
	HEMBA1000338	F-HEMBA1000338	38	R-HEMBA1000338	5582
	HEMBA1000351	F-HEMBA1000351	39	R-HEMBA1000351	5583
30	HEMBA1000355	F-HEMBA1000355	40	R-HEMBA1000355	5584
	HEMBA1000356	F-HEMBA1000356	41		
	HEMBA1000357	F-HEMBA1000357	42	R-HEMBA1000357	5585
	HEMBA1000366	F-HEMBA1000366	43	R-HEMBA1000366	5586
35	HEMBA1000369	F-HEMBA1000369	44	R-HEMBA1000369	5587
	HEMBA1000376	F-HEMBA1000376	45	R-HEMBA1000376	5588
	HEMBA1000387	F-HEMBA1000387	46	R-HEMBA1000387	5589
	HEMBA1000390	F-HEMBA1000390	47	R-HEMBA1000390	5590
40	HEMBA1000392	F-HEMBA1000392	48	R-HEMBA1000392	5591
	HEMBA1000396	F-HEMBA1000396	49	R-HEMBA1000396	5592
	HEMBA1000411	F-HEMBA1000411	50	R-HEMBA1000411	5593
	HEMBA1000418	F-HEMBA1000418	51	R-HEMBA1000418	5594
45	HEMBA1000422	F-HEMBA1000422	52	R-HEMBA1000422	5595
	HEMBA1000428	F-HEMBA1000428	53	R-HEMBA1000428	5596
	HEMBA1000434	F-HEMBA1000434	54	R-HEMBA1000434	5597
	HEMBA1000442	F-HEMBA1000442	55	R-HEMBA1000442	5598
50	HEMBA1000456	F-HEMBA1000456	56	R-HEMBA1000456	5599
	HEMBA1000459	F-HEMBA1000459	57	R-HEMBA1000459	5600
	HEMBA1000460	F-HEMBA1000460	58	R-HEMBA1000460	5601
	HEMBA1000464	F-HEMBA1000464	59	R-HEMBA1000464	5602
55	HEMBA1000469	F-HEMBA1000469	60	R-HEMBA1000469	5603
	HEMBA1000488	F-HEMBA1000488	61	R-HEMBA1000488	5604

	HEMBA1000490	F-HEMBA1000490	62	R-HEMBA1000490	5605
	HEMBA1000491	F-HEMBA1000491	63	R-HEMBA1000491	5606
5	HEMBA1000501	F-HEMBA1000501	64		
	HEMBA1000504	F-HEMBA1000504	65	R-HEMBA1000504	5607
	HEMBA1000505	F-HEMBA1000505	66	R-HEMBA1000505	5608
	HEMBA1000508	F-HEMBA1000508	67	R-HEMBA1000508	5609
	HEMBA1000518	F-HEMBA1000518	68	R-HEMBA1000518	5610
10	HEMBA1000519	F-HEMBA1000519	69	R-HEMBA1000519	5611
	HEMBA1000520	F-HEMBA1000520	70	R-HEMBA1000520	5612
	HEMBA1000523	F-HEMBA1000523	71	R-HEMBA1000523	5613
	HEMBA1000531	F-HEMBA1000531	72	R-HEMBA1000531	5614
15	HEMBA1000534	F-HEMBA1000534	73		
	HEMBA1000540	F-HEMBA1000540	74	R-HEMBA1000540	5615
	HEMBA1000542	F-HEMBA1000542	75		
	HEMBA1000545	F-HEMBA1000545	76	R-HEMBA1000545	5616
20	HEMBA1000555	F-HEMBA1000555	77	R-nnnnnnnnnnnnn	5617
	HEMBA1000557	F-HEMBA1000557	78	R-HEMBA1000557	5618
	HEMBA1000561	F-HEMBA1000561	79	R-HEMBA1000561	5619
	HEMBA1000563	F-HEMBA1000563	80	R-HEMBA1000563	5620
25	HEMBA1000568	F-HEMBA1000568	81	R-HEMBA1000568	5621
	HEMBA1000569	F-HEMBA1000569	82	R-nnnnnnnnnnnnn	5622
	HEMBA1000575	F-HEMBA1000575	83	R-HEMBA1000575	5623
	HEMBA1000588	F-HEMBA1000588	84	R-HEMBA1000588	5624
	HEMBA1000591	F-HEMBA1000591	85	R-HEMBA1000591	5625
30	HEMBA1000592	F-HEMBA1000592	86	R-HEMBA1000592	5626
	HEMBA1000594	F-HEMBA1000594	87	R-HEMBA1000594	5627
	HEMBA1000604	F-HEMBA1000604	88	R-HEMBA1000604	5628
	HEMBA1000608	F-HEMBA1000608	89	R-HEMBA1000608	5629
35	HEMBA1000622	F-HEMBA1000622	90	R-HEMBA1000622	5630
	HEMBA1000636	F-HEMBA1000636	91	R-HEMBA1000636	5631
	HEMBA1000637	F-HEMBA1000637	92	R-HEMBA1000637	5632
	HEMBA1000655	F-HEMBA1000655	93	R-HEMBA1000655	5633
40	HEMBA1000657	F-HEMBA1000657	94	R-HEMBA1000657	5634
	HEMBA1000662	F-HEMBA1000662	95	R-HEMBA1000662	5635
	HEMBA1000673	F-HEMBA1000673	96	R-HEMBA1000673	5636
	HEMBA1000682	F-HEMBA1000682	97	R-HEMBA1000682	5637
45	HEMBA1000686	F-HEMBA1000686	98	R-HEMBA1000686	5638
	HEMBA1000702	F-HEMBA1000702	99	R-HEMBA1000702	5639
	HEMBA1000705	F-HEMBA1000705	100	R-HEMBA1000705	5640
	HEMBA1000719	F-HEMBA1000719	101	R-HEMBA1000719	5641
50	HEMBA1000722	F-HEMBA1000722	102	R-HEMBA1000722	5642
	HEMBA1000726	F-HEMBA1000726	103	R-HEMBA1000726	5643
	HEMBA1000727	F-HEMBA1000727	104	R-HEMBA1000727	5644
	HEMBA1000747	F-HEMBA1000747	105	R-HEMBA1000747	5645
	HEMBA1000749	F-HEMBA1000749	106	R-HEMBA1000749	5646
55	HEMBA1000752	F-HEMBA1000752	107	R-HEMBA1000752	5647

	HEMBA1000769	F-HEMBA1000769	108	R-HEMBA1000769	5648
	HEMBA1000773	F-HEMBA1000773	109	R-HEMBA1000773	5649
	HEMBA1000774	F-HEMBA1000774	110	R-HEMBA1000774	5650
5	HEMBA1000791	F-HEMBA1000791	111	R-HEMBA1000791	5651
	HEMBA1000817	F-HEMBA1000817	112	R-HEMBA1000817	5652
	HEMBA1000822	F-HEMBA1000822	113	R-HEMBA1000822	5653
	HEMBA1000827	F-HEMBA1000827	114	R-HEMBA1000827	5654
10	HEMBA1000843	F-HEMBA1000843	115	R-HEMBA1000843	5655
	HEMBA1000851	F-HEMBA1000851	116	R-HEMBA1000851	5656
	HEMBA1000852	F-HEMBA1000852	117	R-HEMBA1000852	5657
	HEMBA1000867	F-HEMBA1000867	118	R-HEMBA1000867	5658
15	HEMBA1000869	F-HEMBA1000869	119	R-HEMBA1000869	5659
	HEMBA1000870	F-HEMBA1000870	120	R-HEMBA1000870	5660
	HEMBA1000872	F-HEMBA1000872	121	R-HEMBA1000872	5661
	HEMBA1000876	F-HEMBA1000876	122	R-HEMBA1000876	5662
20	HEMBA1000908	F-HEMBA1000908	123	R-HEMBA1000908	5663
	HEMBA1000910	F-HEMBA1000910	124	R-HEMBA1000910	5664
	HEMBA1000918	F-HEMBA1000918	125	R-HEMBA1000918	5665
	HEMBA1000919	F-HEMBA1000919	126	R-HEMBA1000919	5666
25	HEMBA1000934	F-HEMBA1000934	127	R-HEMBA1000934	5667
	HEMBA1000942	F-HEMBA1000942	128	R-HEMBA1000942	5668
	HEMBA1000943	F-HEMBA1000943	129	R-HEMBA1000943	5669
	HEMBA1000946	F-HEMBA1000946	130	R-HEMBA1000946	5670
30	HEMBA1000960	F-HEMBA1000960	131	R-HEMBA1000960	5671
	HEMBA1000968	F-HEMBA1000968	132	R-HEMBA1000968	5672
	HEMBA1000971	F-HEMBA1000971	133	R-HEMBA1000971	5673
	HEMBA1000972	F-HEMBA1000972	134	R-HEMBA1000972	5674
	HEMBA1000974	F-HEMBA1000974	135	R-HEMBA1000974	5675
35	HEMBA1000975	F-HEMBA1000975	136	R-HEMBA1000975	5676
	HEMBA1000985	F-HEMBA1000985	137	R-HEMBA1000985	5677
	HEMBA1000986	F-HEMBA1000986	138	R-HEMBA1000986	5678
	HEMBA1000991	F-HEMBA1000991	139	R-HEMBA1000991	5679
40	HEMBA1001007	F-HEMBA1001007	140	R-HEMBA1001007	5680
	HEMBA1001008	F-HEMBA1001008	141	R-HEMBA1001008	5681
	HEMBA1001009	F-HEMBA1001009	142	R-HEMBA1001009	5682
	HEMBA1001017	F-HEMBA1001017	143	R-HEMBA1001017	5683
45	HEMBA1001019	F-HEMBA1001019	144	R-HEMBA1001019	5684
	HEMBA1001020	F-HEMBA1001020	145	R-HEMBA1001020	5685
	HEMBA1001022	F-HEMBA1001022	146	R-HEMBA1001022	5686
	HEMBA1001024	F-HEMBA1001024	147	R-HEMBA1001024	5687
50	HEMBA1001026	F-HEMBA1001026	148	R-HEMBA1001026	5688
	HEMBA1001043	F-HEMBA1001043	149	R-nnnnnnnnnnnnn	5689
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	HEMBA1001052	F-HEMBA1001052	151	R-HEMBA1001052	5691
55	HEMBA1001059	F-HEMBA1001059	152		
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	HEMBA1001080	F-HEMBA1001080	156	R-HEMBA1001080	5695
5	HEMBA1001085	F-HEMBA1001085	157	R-HEMBA1001085	5696
	HEMBA1001088	F-HEMBA1001088	158	R-HEMBA1001088	5697
	HEMBA1001094	F-HEMBA1001094	159	R-HEMBA1001094	5698
	HEMBA1001099	F-HEMBA1001099	160	R-HEMBA1001099	5699
10	HEMBA1001109	F-HEMBA1001109	161	R-HEMBA1001109	5700
	HEMBA1001121	F-HEMBA1001121	162	R-HEMBA1001121	5701
	HEMBA1001122	F-HEMBA1001122	163	R-HEMBA1001122	5702
	HEMBA1001123	F-HEMBA1001123	164	R-HEMBA1001123	5703
15	HEMBA1001133	F-HEMBA1001133	165	R-HEMBA1001133	5704
	HEMBA1001137	F-HEMBA1001137	166	R-HEMBA1001137	5705
	HEMBA1001140	F-HEMBA1001140	167	R-HEMBA1001140	5706
	HEMBA1001172	F-HEMBA1001172	168	R-HEMBA1001172	5707
20	HEMBA1001174	F-HEMBA1001174	169	R-HEMBA1001174	5708
	HEMBA1001197	F-HEMBA1001197	170	R-HEMBA1001197	5709
	HEMBA1001208	F-HEMBA1001208	171	R-HEMBA1001208	5710
	HEMBA1001213	F-HEMBA1001213	172		
25	HEMBA1001226	F-HEMBA1001226	173	R-HEMBA1001226	5711
	HEMBA1001235	F-HEMBA1001235	174	R-HEMBA1001235	5712
	HEMBA1001247	F-HEMBA1001247	175	R-HEMBA1001247	5713
	HEMBA1001257	F-HEMBA1001257	176	R-HEMBA1001257	5714
30	HEMBA1001265	F-HEMBA1001265	177	R-HEMBA1001265	5715
	HEMBA1001281	F-HEMBA1001281	178	R-nnnnnnnnnnnnn	5716
	HEMBA1001286	F-HEMBA1001286	179	R-HEMBA1001286	5717
	HEMBA1001289	F-HEMBA1001289	180	R-HEMBA1001289	5718
	HEMBA1001294	F-HEMBA1001294	181	R-HEMBA1001294	5719
35	HEMBA1001299	F-HEMBA1001299	182	R-HEMBA1001299	5720
	HEMBA1001302	F-HEMBA1001302	183	R-HEMBA1001302	5721
	HEMBA1001303	F-HEMBA1001303	184	R-HEMBA1001303	5722
	HEMBA1001310	F-HEMBA1001310	185	R-HEMBA1001310	5723
40	HEMBA1001319	F-HEMBA1001319	186	R-HEMBA1001319	5724
	HEMBA1001323	F-HEMBA1001323	187	R-HEMBA1001323	5725
	HEMBA1001326	F-HEMBA1001326	188	R-HEMBA1001326	5726
	HEMBA1001327	F-HEMBA1001327	189	R-HEMBA1001327	5727
45	HEMBA1001330	F-HEMBA1001330	190	R-HEMBA1001330	5728
	HEMBA1001351	F-HEMBA1001351	191	R-HEMBA1001351	5729
	HEMBA1001361	F-HEMBA1001361	192	R-HEMBA1001361	5730
	HEMBA1001375	F-HEMBA1001375	193	R-HEMBA1001375	5731
50	HEMBA1001377	F-HEMBA1001377	194	R-HEMBA1001377	5732
	HEMBA1001383	F-HEMBA1001383	195	R-HEMBA1001383	5733
	HEMBA1001387	F-HEMBA1001387	196	R-HEMBA1001387	5734
	HEMBA1001388	F-HEMBA1001388	197	R-HEMBA1001388	5735
	HEMBA1001391	F-HEMBA1001391	198	R-HEMBA1001391	5736
55	HEMBA1001398	F-HEMBA1001398	199	R-HEMBA1001398	5737

	HEMBA1001405	F-HEMBA1001405	200	R-HEMBA1001405	5738
	HEMBA1001407	F-HEMBA1001407	201	R-HEMBA1001407	5739
5	HEMBA1001411	F-HEMBA1001411	202	R-HEMBA1001411	5740
	HEMBA1001413	F-HEMBA1001413	203	R-HEMBA1001413	5741
	HEMBA1001415	F-HEMBA1001415	204	R-HEMBA1001415	5742
	HEMBA1001432	F-HEMBA1001432	205	R-HEMBA1001432	5743
10	HEMBA1001433	F-HEMBA1001433	206	R-HEMBA1001433	5744
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	HEMBA1001442	F-HEMBA1001442	208	R-HEMBA1001442	5746
	HEMBA1001446	F-HEMBA1001446	209	R-HEMBA1001446	5747
	HEMBA1001450	F-HEMBA1001450	210	R-HEMBA1001450	5748
15	HEMBA1001454	F-HEMBA1001454	211	R-HEMBA1001454	5749
	HEMBA1001455	F-HEMBA1001455	212	R-HEMBA1001455	5750
	HEMBA1001463	F-HEMBA1001463	213	R-HEMBA1001463	5751
	HEMBA1001476	F-HEMBA1001476	214	R-HEMBA1001476	5752
20	HEMBA1001478	F-HEMBA1001478	215	R-HEMBA1001478	5753
	HEMBA1001497	F-HEMBA1001497	216	R-HEMBA1001497	5754
	HEMBA1001510	F-HEMBA1001510	217	R-HEMBA1001510	5755
	HEMBA1001515	F-HEMBA1001515	218	R-HEMBA1001515	5756
25	HEMBA1001517	F-HEMBA1001517	219	R-HEMBA1001517	5757
	HEMBA1001522	F-HEMBA1001522	220	R-HEMBA1001522	5758
	HEMBA1001526	F-HEMBA1001526	221	R-HEMBA1001526	5759
	HEMBA1001533	F-HEMBA1001533	222	R-HEMBA1001533	5760
30	HEMBA1001557	F-HEMBA1001557	223	R-HEMBA1001557	5761
	HEMBA1001566	F-HEMBA1001566	224	R-HEMBA1001566	5762
	HEMBA1001569	F-HEMBA1001569	225	R-HEMBA1001569	5763
	HEMBA1001570	F-HEMBA1001570	226	R-HEMBA1001570	5764
	HEMBA1001579	F-HEMBA1001579	227	R-HEMBA1001579	5765
35	HEMBA1001581	F-HEMBA1001581	228	R-HEMBA1001581	5766
	HEMBA1001585	F-HEMBA1001585	229	R-HEMBA1001585	5767
	HEMBA1001589	F-HEMBA1001589	230	R-HEMBA1001589	5768
	HEMBA1001595	F-HEMBA1001595	231	R-HEMBA1001595	5769
40	HEMBA1001608	F-HEMBA1001608	232	R-HEMBA1001608	5770
	HEMBA1001620	F-HEMBA1001620	233	R-HEMBA1001620	5771
	HEMBA1001635	F-HEMBA1001635	234	R-nnnnnnnnnnnnn	5772
	HEMBA1001636	F-HEMBA1001636	235	R-HEMBA1001636	5773
45	HEMBA1001640	F-HEMBA1001640	236	R-HEMBA1001640	5774
	HEMBA1001647	F-HEMBA1001647	237		
	HEMBA1001651	F-HEMBA1001651	238	R-nnnnnnnnnnnnn	5775
	HEMBA1001655	F-HEMBA1001655	239	R-HEMBA1001655	5776
50	HEMBA1001658	F-HEMBA1001658	240	R-HEMBA1001658	5777
	HEMBA1001661	F-HEMBA1001661	241	R-HEMBA1001661	5778
	HEMBA1001672	F-HEMBA1001672	242	R-HEMBA1001672	5779
	HEMBA1001675	F-HEMBA1001675	243	R-HEMBA1001675	5780
	HEMBA1001678	F-HEMBA1001678	244	R-HEMBA1001678	5781
55	HEMBA1001681	F-HEMBA1001681	245	R-HEMBA1001681	5782

	HEMBA1001702	F-HEMBA1001702	246	R-HEMBA1001702	5783
	HEMBA1001709	F-HEMBA1001709	247	R-HEMBA1001709	5784
	HEMBA1001711	F-HEMBA1001711	248	R-HEMBA1001711	5785
5	HEMBA1001712	F-HEMBA1001712	249	R-HEMBA1001712	5786
	HEMBA1001714	F-HEMBA1001714	250	R-HEMBA1001714	5787
	HEMBA1001718	F-HEMBA1001718	251	R-HEMBA1001718	5788
	HEMBA1001723	F-HEMBA1001723	252	R-HEMBA1001723	5789
10	HEMBA1001731	F-HEMBA1001731	253	R-HEMBA1001731	5790
	HEMBA1001734	F-HEMBA1001734	254	R-HEMBA1001734	5791
	HEMBA1001744	F-HEMBA1001744	255	R-HEMBA1001744	5792
	HEMBA1001745	F-HEMBA1001745	256	R-HEMBA1001745	5793
15	HEMBA1001746	F-HEMBA1001746	257	R-HEMBA1001746	5794
	HEMBA1001761	F-HEMBA1001761	258	R-HEMBA1001761	5795
	HEMBA1001781	F-HEMBA1001781	259	R-HEMBA1001781	5796
	HEMBA1001784	F-HEMBA1001784	260	R-HEMBA1001784	5797
20	HEMBA1001791	F-HEMBA1001791	261	R-HEMBA1001791	5798
	HEMBA1001800	F-HEMBA1001800	262	R-HEMBA1001800	5799
	HEMBA1001803	F-HEMBA1001803	263	R-HEMBA1001803	5800
	HEMBA1001804	F-HEMBA1001804	264	R-nnnnnnnnnnnnn	5801
25	HEMBA1001808	F-HEMBA1001808	265	R-HEMBA1001808	5802
	HEMBA1001809	F-HEMBA1001809	266	R-HEMBA1001809	5803
	HEMBA1001815	F-HEMBA1001815	267	R-HEMBA1001815	5804
	HEMBA1001819	F-HEMBA1001819	268	R-HEMBA1001819	5805
30	HEMBA1001820	F-HEMBA1001820	269	R-HEMBA1001820	5806
	HEMBA1001822	F-HEMBA1001822	270	R-nnnnnnnnnnnnn	5807
	HEMBA1001824	F-HEMBA1001824	271	R-HEMBA1001824	5808
	HEMBA1001835	F-HEMBA1001835	272	R-HEMBA1001835	5809
	HEMBA1001844	F-HEMBA1001844	273	R-HEMBA1001844	5810
35	HEMBA1001847	F-HEMBA1001847	274	R-HEMBA1001847	5811
	HEMBA1001861	F-HEMBA1001861	275	R-HEMBA1001861	5812
	HEMBA1001864	F-HEMBA1001864	276	R-HEMBA1001864	5813
	HEMBA1001866	F-HEMBA1001866	277	R-HEMBA1001866	5814
40	HEMBA1001869	F-HEMBA1001869	278	R-nnnnnnnnnnnnn	5815
	HEMBA1001888	F-HEMBA1001888	279	R-HEMBA1001888	5816
	HEMBA1001896	F-HEMBA1001896	280	R-HEMBA1001896	5817
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45	HEMBA1001912	F-HEMBA1001912	282	R-HEMBA1001912	5819
	HEMBA1001913	F-HEMBA1001913	283	R-HEMBA1001913	5820
	HEMBA1001915	F-HEMBA1001915	284	R-HEMBA1001915	5821
	HEMBA1001918	F-HEMBA1001918	285	R-HEMBA1001918	5822
	HEMBA1001921	F-HEMBA1001921	286	R-HEMBA1001921	5823
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	HEMBA1001942	F-HEMBA1001942	289	R-HEMBA1001942	5826
	HEMBA1001945	F-HEMBA1001945	290	R-HEMBA1001945	5827
55	HEMBA1001950	F-HEMBA1001950	291	R-HEMBA1001950	5828

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	HEMBA1001960	F-HEMBA1001960	292	R-HEMBA1001960	5829
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	HEMBA1001964	F-HEMBA1001964	294	R-HEMBA1001964	5831
5	HEMBA1001967	F-HEMBA1001967	295	R-HEMBA1001967	5832
	HEMBA1001979	F-HEMBA1001979	296	R-HEMBA1001979	5833
	HEMBA1001987	F-HEMBA1001987	297	R-HEMBA1001987	5834
	HEMBA1001991	F-HEMBA1001991	298	R-HEMBA1001991	5835
10	HEMBA1002003	F-HEMBA1002003	299	R-HEMBA1002003	5836
	HEMBA1002008	F-HEMBA1002008	300	R-HEMBA1002008	5837
	HEMBA1002018	F-HEMBA1002018	301	R-HEMBA1002018	5838
	HEMBA1002022	F-HEMBA1002022	302	R-HEMBA1002022	5839
15	HEMBA1002035	F-HEMBA1002035	303	R-HEMBA1002035	5840
	HEMBA1002039	F-HEMBA1002039	304	R-HEMBA1002039	5841
	HEMBA1002049	F-HEMBA1002049	305	R-HEMBA1002049	5842
	HEMBA1002084	F-HEMBA1002084	306	R-HEMBA1002084	5843
20	HEMBA1002092	F-HEMBA1002092	307	R-HEMBA1002092	5844
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	HEMBA1002119	F-HEMBA1002119	311	R-HEMBA1002119	5848
25	HEMBA1002125	F-HEMBA1002125	312	R-HEMBA1002125	5849
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	HEMBA1002144	F-HEMBA1002144	314	R-HEMBA1002144	5851
	HEMBA1002150	F-HEMBA1002150	315	R-HEMBA1002150	5852
30	HEMBA1002151	F-HEMBA1002151	316	R-HEMBA1002151	5853
	HEMBA1002153	F-HEMBA1002153	317	R-HEMBA1002153	5854
	HEMBA1002160	F-HEMBA1002160	318	R-HEMBA1002160	5855
	HEMBA1002161	F-HEMBA1002161	319	R-HEMBA1002161	5856
35	HEMBA1002162	F-HEMBA1002162	320	R-HEMBA1002162	5857
	HEMBA1002166	F-HEMBA1002166	321	R-HEMBA1002166	5858
	HEMBA1002177	F-HEMBA1002177	322	R-HEMBA1002177	5859
	HEMBA1002185	F-HEMBA1002185	323	R-HEMBA1002185	5860
40	HEMBA1002189	F-HEMBA1002189	324	R-HEMBA1002189	5861
	HEMBA1002191	F-HEMBA1002191	325	R-HEMBA1002191	5862
	HEMBA1002199	F-HEMBA1002199	326	R-HEMBA1002199	5863
	HEMBA1002204	F-HEMBA1002204	327	R-HEMBA1002204	5864
	HEMBA1002212	F-HEMBA1002212	328	R-HEMBA1002212	5865
45	HEMBA1002215	F-HEMBA1002215	329	R-HEMBA1002215	5866
	HEMBA1002226	F-HEMBA1002226	330	R-HEMBA1002226	5867
	HEMBA1002229	F-HEMBA1002229	331	R-HEMBA1002229	5868
	HEMBA1002237	F-HEMBA1002237	332	R-HEMBA1002237	5869
50	HEMBA1002241	F-HEMBA1002241	333		
	HEMBA1002253	F-HEMBA1002253	334	R-HEMBA1002253	5870
	HEMBA1002257	F-HEMBA1002257	335	R-HEMBA1002257	5871
	HEMBA1002265	F-HEMBA1002265	336		
55	HEMBA1002267	F-HEMBA1002267	337	R-HEMBA1002267	5872

	HEMBA1002270	F-HEMBA1002270	338	R-HEMBA1002270	5873
	HEMBA1002321	F-HEMBA1002321	339	R-HEMBA1002321	5874
	HEMBA1002328	F-HEMBA1002328	340	R-HEMBA1002328	5875
5	HEMBA1002337	F-HEMBA1002337	341	R-HEMBA1002337	5876
	HEMBA1002341	F-HEMBA1002341	342	R-HEMBA1002341	5877
	HEMBA1002348	F-HEMBA1002348	343	R-HEMBA1002348	5878
	HEMBA1002349	F-HEMBA1002349	344	R-HEMBA1002349	5879
10	HEMBA1002363	F-HEMBA1002363	345	R-nnnnnnnnnnnnn	5880
	HEMBA1002381	F-HEMBA1002381	346	R-HEMBA1002381	5881
	HEMBA1002389	F-HEMBA1002389	347	R-HEMBA1002389	5882
	HEMBA1002417	F-HEMBA1002417	348	R-HEMBA1002417	5883
15	HEMBA1002419	F-HEMBA1002419	349	R-HEMBA1002419	5884
	HEMBA1002430	F-HEMBA1002430	350	R-HEMBA1002430	5885
	HEMBA1002439	F-HEMBA1002439	351	R-HEMBA1002439	5886
	HEMBA1002458	F-HEMBA1002458	352	R-HEMBA1002458	5887
20	HEMBA1002460	F-HEMBA1002460	353	R-HEMBA1002460	5888
	HEMBA1002462	F-HEMBA1002462	354	R-HEMBA1002462	5889
	HEMBA1002469	F-HEMBA1002469	355		
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	HEMBA1002477	F-HEMBA1002477	357	R-HEMBA1002477	5891
25	HEMBA1002486	F-HEMBA1002486	358	R-HEMBA1002486	5892
	HEMBA1002495	F-HEMBA1002495	359	R-HEMBA1002495	5893
	HEMBA1002498	F-HEMBA1002498	360	R-HEMBA1002498	5894
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30	HEMBA1002508	F-HEMBA1002508	362	R-HEMBA1002508	5896
	HEMBA1002513	F-HEMBA1002513	363	R-nnnnnnnnnnnnn	5897
	HEMBA1002515	F-HEMBA1002515	364	R-HEMBA1002515	5898
	HEMBA1002538	F-HEMBA1002538	365	R-HEMBA1002538	5899
35	HEMBA1002542	F-HEMBA1002542	366	R-HEMBA1002542	5900
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	HEMBA1002552	F-HEMBA1002552	368	R-HEMBA1002552	5902
	HEMBA1002555	F-HEMBA1002555	369	R-HEMBA1002555	5903
40	HEMBA1002558	F-HEMBA1002558	370	R-HEMBA1002558	5904
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	HEMBA1002569	F-HEMBA1002569	372	R-nnnnnnnnnnnnn	5906
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	HEMBA1002590	F-HEMBA1002590	374	R-HEMBA1002590	5908
45	HEMBA1002592	F-HEMBA1002592	375	R-HEMBA1002592	5909
	HEMBA1002609	F-HEMBA1002609	376		
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	HEMBA1002645	F-HEMBA1002645	381	R-HEMBA1002645	5914
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55	HEMBA1002659	F-HEMBA1002659	383	R-HEMBA1002659	5916

	HEMBA1002661	F-HEMBA1002661	384	R-HEMBA1002661	5917
	HEMBA1002666	F-HEMBA1002666	385	R-HEMBA1002666	5918
	HEMBA1002678	F-HEMBA1002678	386	R-HEMBA1002678	5919
5	HEMBA1002679	F-HEMBA1002679	387	R-nnnnnnnnnnnnn	5920
	HEMBA1002688	F-HEMBA1002688	388	R-HEMBA1002688	5921
	HEMBA1002696	F-HEMBA1002696	389	R-HEMBA1002696	5922
	HEMBA1002703	F-HEMBA1002703	390		
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	HEMBA1002716	F-HEMBA1002716	392	R-HEMBA1002716	5924
	HEMBA1002728	F-HEMBA1002728	393	R-HEMBA1002728	5925
	HEMBA1002730	F-HEMBA1002730	394	R-HEMBA1002730	5926
15	HEMBA1002742	F-HEMBA1002742	395	R-HEMBA1002742	5927
	HEMBA1002746	F-HEMBA1002746	396	R-HEMBA1002746	5928
	HEMBA1002748	F-HEMBA1002748	397	R-HEMBA1002748	5929
	HEMBA1002750	F-HEMBA1002750	398	R-HEMBA1002750	5930
20	HEMBA1002768	F-HEMBA1002768	399	R-HEMBA1002768	5931
	HEMBA1002770	F-HEMBA1002770	400	R-HEMBA1002770	5932
	HEMBA1002777	F-HEMBA1002777	401	R-HEMBA1002777	5933
	HEMBA1002779	F-HEMBA1002779	402	R-HEMBA1002779	5934
25	HEMBA1002780	F-HEMBA1002780	403	R-HEMBA1002780	5935
	HEMBA1002794	F-HEMBA1002794	404	R-HEMBA1002794	5936
	HEMBA1002801	F-HEMBA1002801	405	R-HEMBA1002801	5937
	HEMBA1002810	F-HEMBA1002810	406	R-HEMBA1002810	5938
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30	HEMBA1002818	F-HEMBA1002818	408		
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	HEMBA1002833	F-HEMBA1002833	410	R-HEMBA1002833	5941
	HEMBA1002850	F-HEMBA1002850	411	R-HEMBA1002850	5942
35	HEMBA1002863	F-HEMBA1002863	412	R-HEMBA1002863	5943
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	HEMBA1002886	F-HEMBA1002886	414	R-HEMBA1002886	5945
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40	HEMBA1002921	F-HEMBA1002921	416	R-HEMBA1002921	5947
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	HEMBA1002934	F-HEMBA1002934	418	R-HEMBA1002934	5949
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45	HEMBA1002937	F-HEMBA1002937	420	R-HEMBA1002937	5951
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	HEMBA1002944	F-HEMBA1002944	422	R-HEMBA1002944	5953
	HEMBA1002951	F-HEMBA1002951	423	R-HEMBA1002951	5954
	HEMBA1002954	F-HEMBA1002954	424	R-HEMBA1002954	5955
50	HEMBA1002968	F-HEMBA1002968	425	R-HEMBA1002968	5956
	HEMBA1002970	F-HEMBA1002970	426	R-HEMBA1002970	5957
	HEMBA1002971	F-HEMBA1002971	427	R-HEMBA1002971	5958
	HEMBA1002973	F-HEMBA1002973	428	R-HEMBA1002973	5959
55	HEMBA1002997	F-HEMBA1002997	429	R-nnnnnnnnnnnnn	5960

	HEMBA1002999	F-HEMBA1002999	430	R-HEMBA1002999	5961
	HEMBA1003021	F-HEMBA1003021	431	R-HEMBA1003021	5962
	HEMBA1003033	F-HEMBA1003033	432	R-HEMBA1003033	5963
5	HEMBA1003034	F-HEMBA1003034	433	R-HEMBA1003034	5964
	HEMBA1003035	F-HEMBA1003035	434	R-HEMBA1003035	5965
	HEMBA1003037	F-HEMBA1003037	435	R-HEMBA1003037	5966
	HEMBA1003041	F-HEMBA1003041	436	R-HEMBA1003041	5967
10	HEMBA1003046	F-HEMBA1003046	437	R-HEMBA1003046	5968
	HEMBA1003064	F-HEMBA1003064	438	R-HEMBA1003064	5969
	HEMBA1003067	F-HEMBA1003067	439	R-HEMBA1003067	5970
	HEMBA1003071	F-HEMBA1003071	440	R-HEMBA1003071	5971
15	HEMBA1003077	F-HEMBA1003077	441	R-HEMBA1003077	5972
	HEMBA1003078	F-HEMBA1003078	442	R-HEMBA1003078	5973
	HEMBA1003079	F-HEMBA1003079	443	R-HEMBA1003079	5974
	HEMBA1003083	F-HEMBA1003083	444	R-HEMBA1003083	5975
20	HEMBA1003086	F-HEMBA1003086	445	R-HEMBA1003086	5976
	HEMBA1003096	F-HEMBA1003096	446	R-HEMBA1003096	5977
	HEMBA1003098	F-HEMBA1003098	447	R-HEMBA1003098	5978
	HEMBA1003117	F-HEMBA1003117	448	R-HEMBA1003117	5979
25	HEMBA1003129	F-HEMBA1003129	449	R-HEMBA1003129	5980
	HEMBA1003133	F-HEMBA1003133	450	R-HEMBA1003133	5981
	HEMBA1003136	F-HEMBA1003136	451	R-HEMBA1003136	5982
	HEMBA1003142	F-HEMBA1003142	452	R-HEMBA1003142	5983
30	HEMBA1003148	F-HEMBA1003148	453	R-HEMBA1003148	5984
	HEMBA1003166	F-HEMBA1003166	454	R-HEMBA1003166	5985
	HEMBA1003175	F-HEMBA1003175	455	R-HEMBA1003175	5986
	HEMBA1003179	F-HEMBA1003179	456		
	HEMBA1003197	F-HEMBA1003197	457	R-HEMBA1003197	5987
35	HEMBA1003199	F-HEMBA1003199	458	R-HEMBA1003199	5988
	HEMBA1003202	F-HEMBA1003202	459	R-HEMBA1003202	5989
	HEMBA1003204	F-HEMBA1003204	460	R-HEMBA1003204	5990
	HEMBA1003212	F-HEMBA1003212	461	R-HEMBA1003212	5991
40	HEMBA1003220	F-HEMBA1003220	462	R-HEMBA1003220	5992
	HEMBA1003222	F-HEMBA1003222	463	R-HEMBA1003222	5993
	HEMBA1003229	F-HEMBA1003229	464	R-HEMBA1003229	5994
	HEMBA1003235	F-HEMBA1003235	465	R-HEMBA1003235	5995
45	HEMBA1003250	F-HEMBA1003250	466	R-HEMBA1003250	5996
	HEMBA1003257	F-HEMBA1003257	467	R-HEMBA1003257	5997
	HEMBA1003273	F-HEMBA1003273	468	R-HEMBA1003273	5998
	HEMBA1003276	F-HEMBA1003276	469	R-HEMBA1003276	5999
	HEMBA1003278	F-HEMBA1003278	470	R-HEMBA1003278	6000
50	HEMBA1003281	F-HEMBA1003281	471	R-HEMBA1003281	6001
	HEMBA1003286	F-HEMBA1003286	472		
	HEMBA1003291	F-HEMBA1003291	473	R-HEMBA1003291	6002
	HEMBA1003296	F-HEMBA1003296	474	R-HEMBA1003296	6003
55	HEMBA1003304	F-HEMBA1003304	475	R-HEMBA1003304	6004

	HEMBA1003309	F-HEMBA1003309	476	R-HEMBA1003309	6005
	HEMBA1003314	F-HEMBA1003314	477	R-HEMBA1003314	6006
	HEMBA1003322	F-HEMBA1003322	478	R-HEMBA1003322	6007
5	HEMBA1003327	F-HEMBA1003327	479	R-HEMBA1003327	6008
	HEMBA1003328	F-HEMBA1003328	480	R-HEMBA1003328	6009
	HEMBA1003330	F-HEMBA1003330	481	R-HEMBA1003330	6010
	HEMBA1003348	F-HEMBA1003348	482	R-HEMBA1003348	6011
10	HEMBA1003369	F-HEMBA1003369	483	R-HEMBA1003369	6012
	HEMBA1003370	F-HEMBA1003370	484	R-HEMBA1003370	6013
	HEMBA1003373	F-HEMBA1003373	485	R-HEMBA1003373	6014
	HEMBA1003376	F-HEMBA1003376	486	R-HEMBA1003376	6015
15	HEMBA1003380	F-HEMBA1003380	487	R-HEMBA1003380	6016
	HEMBA1003384	F-HEMBA1003384	488	R-HEMBA1003384	6017
	HEMBA1003395	F-HEMBA1003395	489	R-HEMBA1003395	6018
	HEMBA1003402	F-HEMBA1003402	490	R-HEMBA1003402	6019
20	HEMBA1003403	F-HEMBA1003403	491		
	HEMBA1003408	F-HEMBA1003408	492	R-nnnnnnnnnnnnn	6020
	HEMBA1003417	F-HEMBA1003417	493	R-HEMBA1003417	6021
	HEMBA1003418	F-HEMBA1003418	494	R-HEMBA1003418	6022
25	HEMBA1003433	F-HEMBA1003433	495	R-HEMBA1003433	6023
	HEMBA1003447	F-HEMBA1003447	496		
	HEMBA1003461	F-HEMBA1003461	497	R-HEMBA1003461	6024
	HEMBA1003463	F-HEMBA1003463	498	R-HEMBA1003463	6025
	HEMBA1003480	F-HEMBA1003480	499	R-HEMBA1003480	6026
30	HEMBA1003528	F-HEMBA1003528	500	R-HEMBA1003528	6027
	HEMBA1003531	F-HEMBA1003531	501	R-HEMBA1003531	6028
	HEMBA1003538	F-HEMBA1003538	502	R-HEMBA1003538	6029
	HEMBA1003545	F-HEMBA1003545	503	R-HEMBA1003545	6030
35	HEMBA1003548	F-HEMBA1003548	504	R-HEMBA1003548	6031
	HEMBA1003555	F-HEMBA1003555	505	R-HEMBA1003555	6032
	HEMBA1003556	F-HEMBA1003556	506	R-HEMBA1003556	6033
	HEMBA1003560	F-HEMBA1003560	507	R-HEMBA1003560	6034
40	HEMBA1003568	F-HEMBA1003568	508	R-HEMBA1003568	6035
	HEMBA1003569	F-HEMBA1003569	509	R-HEMBA1003569	6036
	HEMBA1003571	F-HEMBA1003571	510	R-HEMBA1003571	6037
	HEMBA1003579	F-HEMBA1003579	511	R-HEMBA1003579	6038
45	HEMBA1003581	F-HEMBA1003581	512	R-HEMBA1003581	6039
	HEMBA1003591	F-HEMBA1003591	513	R-HEMBA1003591	6040
	HEMBA1003595	F-HEMBA1003595	514	R-HEMBA1003595	6041
	HEMBA1003597	F-HEMBA1003597	515	R-HEMBA1003597	6042
	HEMBA1003598	F-HEMBA1003598	516	R-HEMBA1003598	6043
50	HEMBA1003615	F-HEMBA1003615	517	R-HEMBA1003615	6044
	HEMBA1003617	F-HEMBA1003617	518	R-HEMBA1003617	6045
	HEMBA1003621	F-HEMBA1003621	519	R-HEMBA1003621	6046
	HEMBA1003622	F-HEMBA1003622	520	R-HEMBA1003622	6047
55	HEMBA1003630	F-HEMBA1003630	521	R-HEMBA1003630	6048

	HEMBA1003637	F-HEMBA1003637	522	R-HEMBA1003637	6049
	HEMBA1003640	F-HEMBA1003640	523	R-HEMBA1003640	6050
	HEMBA1003645	F-HEMBA1003645	524	R-HEMBA1003645	6051
5	HEMBA1003646	F-HEMBA1003646	525	R-HEMBA1003646	6052
	HEMBA1003656	F-HEMBA1003656	526	R-HEMBA1003656	6053
	HEMBA1003662	F-HEMBA1003662	527	R-HEMBA1003662	6054
	HEMBA1003667	F-HEMBA1003667	528	R-HEMBA1003667	6055
10	HEMBA1003679	F-HEMBA1003679	529	R-HEMBA1003679	6056
	HEMBA1003680	F-HEMBA1003680	530	R-HEMBA1003680	6057
	HEMBA1003684	F-HEMBA1003684	531	R-HEMBA1003684	6058
	HEMBA1003690	F-HEMBA1003690	532	R-HEMBA1003690	6059
15	HEMBA1003692	F-HEMBA1003692	533	R-HEMBA1003692	6060
	HEMBA1003711	F-HEMBA1003711	534	R-HEMBA1003711	6061
	HEMBA1003714	F-HEMBA1003714	535	R-HEMBA1003714	6062
	HEMBA1003715	F-HEMBA1003715	536	R-HEMBA1003715	6063
20	HEMBA1003720	F-HEMBA1003720	537	R-HEMBA1003720	6064
	HEMBA1003725	F-HEMBA1003725	538	R-HEMBA1003725	6065
	HEMBA1003729	F-HEMBA1003729	539	R-HEMBA1003729	6066
	HEMBA1003733	F-HEMBA1003733	540	R-HEMBA1003733	6067
	HEMBA1003742	F-HEMBA1003742	541	R-HEMBA1003742	6068
25	HEMBA1003758	F-HEMBA1003758	542	R-HEMBA1003758	6069
	HEMBA1003760	F-HEMBA1003760	543	R-HEMBA1003760	6070
	HEMBA1003773	F-HEMBA1003773	544	R-HEMBA1003773	6071
	HEMBA1003783	F-HEMBA1003783	545	R-HEMBA1003783	6072
30	HEMBA1003784	F-HEMBA1003784	546	R-HEMBA1003784	6073
	HEMBA1003799	F-HEMBA1003799	547	R-HEMBA1003799	6074
	HEMBA1003803	F-HEMBA1003803	548	R-HEMBA1003803	6075
	HEMBA1003804	F-HEMBA1003804	549	R-HEMBA1003804	6076
35	HEMBA1003805	F-HEMBA1003805	550	R-HEMBA1003805	6077
	HEMBA1003807	F-HEMBA1003807	551	R-HEMBA1003807	6078
	HEMBA1003827	F-HEMBA1003827	552		
	HEMBA1003836	F-HEMBA1003836	553	R-HEMBA1003836	6079
40	HEMBA1003838	F-HEMBA1003838	554	R-HEMBA1003838	6080
	HEMBA1003856	F-HEMBA1003856	555	R-HEMBA1003856	6081
	HEMBA1003864	F-HEMBA1003864	556	R-HEMBA1003864	6082
	HEMBA1003866	F-HEMBA1003866	557	R-HEMBA1003866	6083
	HEMBA1003879	F-HEMBA1003879	558	R-HEMBA1003879	6084
45	HEMBA1003880	F-HEMBA1003880	559	R-HEMBA1003880	6085
	HEMBA1003885	F-HEMBA1003885	560	R-HEMBA1003885	6086
	HEMBA1003893	F-HEMBA1003893	561	R-HEMBA1003893	6087
	HEMBA1003902	F-HEMBA1003902	562	R-HEMBA1003902	6088
50	HEMBA1003908	F-HEMBA1003908	563	R-HEMBA1003908	6089
	HEMBA1003926	F-HEMBA1003926	564	R-HEMBA1003926	6090
	HEMBA1003937	F-HEMBA1003937	565	R-HEMBA1003937	6091
	HEMBA1003939	F-HEMBA1003939	566	R-HEMBA1003939	6092
55	HEMBA1003942	F-HEMBA1003942	567	R-HEMBA1003942	6093

	HEMBA1003950	F-HEMBA1003950	568	R-HEMBA1003950	6094
	HEMBA1003953	F-HEMBA1003953	569	R-HEMBA1003953	6095
	HEMBA1003958	F-HEMBA1003958	570	R-HEMBA1003958	6096
5	HEMBA1003959	F-HEMBA1003959	571	R-HEMBA1003959	6097
	HEMBA1003976	F-HEMBA1003976	572	R-HEMBA1003976	6098
	HEMBA1003978	F-HEMBA1003978	573	R-HEMBA1003978	6099
	HEMBA1003985	F-HEMBA1003985	574	R-HEMBA1003985	6100
10	HEMBA1003987	F-HEMBA1003987	575	R-HEMBA1003987	6101
	HEMBA1003989	F-HEMBA1003989	576	R-HEMBA1003989	6102
	HEMBA1004000	F-HEMBA1004000	577	R-HEMBA1004000	6103
	HEMBA1004011	F-HEMBA1004011	578	R-HEMBA1004011	6104
15	HEMBA1004012	F-HEMBA1004012	579	R-HEMBA1004012	6105
	HEMBA1004015	F-HEMBA1004015	580	R-HEMBA1004015	6106
	HEMBA1004024	F-HEMBA1004024	581	R-HEMBA1004024	6107
	HEMBA1004038	F-HEMBA1004038	582	R-HEMBA1004038	6108
20	HEMBA1004042	F-HEMBA1004042	583	R-HEMBA1004042	6109
	HEMBA1004045	F-HEMBA1004045	584	R-HEMBA1004045	6110
	HEMBA1004048	F-HEMBA1004048	585	R-HEMBA1004048	6111
	HEMBA1004049	F-HEMBA1004049	586	R-HEMBA1004049	6112
25	HEMBA1004055	F-HEMBA1004055	587	R-HEMBA1004055	6113
	HEMBA1004056	F-HEMBA1004056	588	R-HEMBA1004056	6114
	HEMBA1004074	F-HEMBA1004074	589	R-HEMBA1004074	6115
	HEMBA1004086	F-HEMBA1004086	590	R-HEMBA1004086	6116
	HEMBA1004097	F-HEMBA1004097	591	R-HEMBA1004097	6117
30	HEMBA1004111	F-HEMBA1004111	592		
	HEMBA1004131	F-HEMBA1004131	593	R-HEMBA1004131	6118
	HEMBA1004132	F-HEMBA1004132	594	R-HEMBA1004132	6119
	HEMBA1004133	F-HEMBA1004133	595	R-HEMBA1004133	6120
35	HEMBA1004138	F-HEMBA1004138	596	R-HEMBA1004138	6121
	HEMBA1004143	F-HEMBA1004143	597	R-HEMBA1004143	6122
	HEMBA1004146	F-HEMBA1004146	598	R-HEMBA1004146	6123
	HEMBA1004150	F-HEMBA1004150	599	R-HEMBA1004150	6124
40	HEMBA1004164	F-HEMBA1004164	600	R-HEMBA1004164	6125
	HEMBA1004168	F-HEMBA1004168	601	R-HEMBA1004168	6126
	HEMBA1004199	F-HEMBA1004199	602	R-HEMBA1004199	6127
	HEMBA1004200	F-HEMBA1004200	603	R-HEMBA1004200	6128
	HEMBA1004202	F-HEMBA1004202	604	R-HEMBA1004202	6129
45	HEMBA1004203	F-HEMBA1004203	605	R-HEMBA1004203	6130
	HEMBA1004207	F-HEMBA1004207	606	R-HEMBA1004207	6131
	HEMBA1004225	F-HEMBA1004225	607	R-HEMBA1004225	6132
	HEMBA1004227	F-HEMBA1004227	608	R-HEMBA1004227	6133
50	HEMBA1004238	F-HEMBA1004238	609	R-HEMBA1004238	6134
	HEMBA1004241	F-HEMBA1004241	610	R-HEMBA1004241	6135
	HEMBA1004246	F-HEMBA1004246	611	R-HEMBA1004246	6136
	HEMBA1004248	F-HEMBA1004248	612	R-HEMBA1004248	6137
55	HEMBA1004264	F-HEMBA1004264	613	R-HEMBA1004264	6138

	HEMBA1004267	F-HEMBA1004267	614	R-HEMBA1004267	6139
	HEMBA1004272	F-HEMBA1004272	615	R-HEMBA1004272	6140
	HEMBA1004274	F-HEMBA1004274	616		
5	HEMBA1004275	F-HEMBA1004275	617	R-nnnnnnnnnnnnn	6141
	HEMBA1004276	F-HEMBA1004276	618	R-HEMBA1004276	6142
	HEMBA1004286	F-HEMBA1004286	619	R-HEMBA1004286	6143
	HEMBA1004289	F-HEMBA1004289	620	R-HEMBA1004289	6144
10	HEMBA1004295	F-HEMBA1004295	621	R-HEMBA1004295	6145
	HEMBA1004306	F-HEMBA1004306	622	R-HEMBA1004306	6146
	HEMBA1004312	F-HEMBA1004312	623	R-HEMBA1004312	6147
	HEMBA1004321	F-HEMBA1004321	624	R-HEMBA1004321	6148
15	HEMBA1004323	F-HEMBA1004323	625	R-HEMBA1004323	6149
	HEMBA1004327	F-HEMBA1004327	626	R-HEMBA1004327	6150
	HEMBA1004330	F-HEMBA1004330	627	R-HEMBA1004330	6151
	HEMBA1004334	F-HEMBA1004334	628	R-HEMBA1004334	6152
20	HEMBA1004335	F-HEMBA1004335	629	R-HEMBA1004335	6153
	HEMBA1004341	F-HEMBA1004341	630	R-HEMBA1004341	6154
	HEMBA1004353	F-HEMBA1004353	631	R-HEMBA1004353	6155
	HEMBA1004354	F-HEMBA1004354	632	R-HEMBA1004354	6156
	HEMBA1004356	F-HEMBA1004356	633	R-HEMBA1004356	6157
25	HEMBA1004366	F-HEMBA1004366	634	R-HEMBA1004366	6158
	HEMBA1004372	F-HEMBA1004372	635	R-HEMBA1004372	6159
	HEMBA1004389	F-HEMBA1004389	636	R-HEMBA1004389	6160
	HEMBA1004394	F-HEMBA1004394	637	R-HEMBA1004394	6161
30	HEMBA1004396	F-HEMBA1004396	638	R-HEMBA1004396	6162
	HEMBA1004405	F-HEMBA1004405	639	R-HEMBA1004405	6163
	HEMBA1004408	F-HEMBA1004408	640	R-HEMBA1004408	6164
	HEMBA1004429	F-HEMBA1004429	641	R-HEMBA1004429	6165
35	HEMBA1004433	F-HEMBA1004433	642	R-HEMBA1004433	6166
	HEMBA1004460	F-HEMBA1004460	643	R-HEMBA1004460	6167
	HEMBA1004461	F-HEMBA1004461	644	R-HEMBA1004461	6168
	HEMBA1004479	F-HEMBA1004479	645	R-HEMBA1004479	6169
	HEMBA1004482	F-HEMBA1004482	646	R-HEMBA1004482	6170
40	HEMBA1004499	F-HEMBA1004499	647		
	HEMBA1004502	F-HEMBA1004502	648	R-HEMBA1004502	6171
	HEMBA1004506	F-HEMBA1004506	649	R-HEMBA1004506	6172
	HEMBA1004507	F-HEMBA1004507	650	R-HEMBA1004507	6173
45	HEMBA1004509	F-HEMBA1004509	651	R-HEMBA1004509	6174
	HEMBA1004534	F-HEMBA1004534	652	R-HEMBA1004534	6175
	HEMBA1004538	F-HEMBA1004538	653	R-HEMBA1004538	6176
	HEMBA1004542	F-HEMBA1004542	654		
50	HEMBA1004554	F-HEMBA1004554	655	R-HEMBA1004554	6177
	HEMBA1004560	F-HEMBA1004560	656	R-HEMBA1004560	6178
	HEMBA1004573	F-HEMBA1004573	657	R-HEMBA1004573	6179
	HEMBA1004577	F-HEMBA1004577	658	R-HEMBA1004577	6180
55	HEMBA1004586	F-HEMBA1004586	659	R-HEMBA1004586	6181

	HEMBA1004596	F-HEMBA1004596	660	R-nnnnnnnnnnnnn	6182
	HEMBA1004604	F-HEMBA1004604	661		
	HEMBA1004610	F-HEMBA1004610	662	R-HEMBA1004610	6183
5	HEMBA1004617	F-HEMBA1004617	663	R-HEMBA1004617	6184
	HEMBA1004629	F-HEMBA1004629	664	R-HEMBA1004629	6185
	HEMBA1004631	F-HEMBA1004631	665	R-HEMBA1004631	6186
	HEMBA1004632	F-HEMBA1004632	666	R-HEMBA1004632	6187
10	HEMBA1004637	F-HEMBA1004637	667	R-HEMBA1004637	6188
	HEMBA1004638	F-HEMBA1004638	668	R-HEMBA1004638	6189
	HEMBA1004666	F-HEMBA1004666	669	R-HEMBA1004666	6190
	HEMBA1004669	F-HEMBA1004669	670	R-HEMBA1004669	6191
15	HEMBA1004670	F-HEMBA1004670	671	R-HEMBA1004670	6192
	HEMBA1004672	F-HEMBA1004672	672	R-HEMBA1004672	6193
	HEMBA1004693	F-HEMBA1004693	673	R-HEMBA1004693	6194
	HEMBA1004697	F-HEMBA1004697	674	R-HEMBA1004697	6195
20	HEMBA1004705	F-HEMBA1004705	675	R-HEMBA1004705	6196
	HEMBA1004709	F-HEMBA1004709	676	R-HEMBA1004709	6197
	HEMBA1004711	F-HEMBA1004711	677	R-HEMBA1004711	6198
	HEMBA1004725	F-HEMBA1004725	678	R-HEMBA1004725	6199
	HEMBA1004730	F-HEMBA1004730	679	R-HEMBA1004730	6200
25	HEMBA1004733	F-HEMBA1004733	680	R-HEMBA1004733	6201
	HEMBA1004734	F-HEMBA1004734	681	R-HEMBA1004734	6202
	HEMBA1004736	F-HEMBA1004736	682	R-HEMBA1004736	6203
	HEMBA1004748	F-HEMBA1004748	683	R-HEMBA1004748	6204
30	HEMBA1004751	F-HEMBA1004751	684	R-HEMBA1004751	6205
	HEMBA1004752	F-HEMBA1004752	685	R-HEMBA1004752	6206
	HEMBA1004753	F-HEMBA1004753	686	R-HEMBA1004753	6207
	HEMBA1004756	F-HEMBA1004756	687	R-HEMBA1004756	6208
35	HEMBA1004758	F-HEMBA1004758	688	R-HEMBA1004758	6209
	HEMBA1004763	F-HEMBA1004763	689	R-HEMBA1004763	6210
	HEMBA1004768	F-HEMBA1004768	690	R-HEMBA1004768	6211
	HEMBA1004770	F-HEMBA1004770	691	R-HEMBA1004770	6212
	HEMBA1004771	F-HEMBA1004771	692	R-HEMBA1004771	6213
40	HEMBA1004776	F-HEMBA1004776	693	R-HEMBA1004776	6214
	HEMBA1004778	F-HEMBA1004778	694	R-HEMBA1004778	6215
	HEMBA1004795	F-HEMBA1004795	695	R-nnnnnnnnnnnnn	6216
	HEMBA1004803	F-HEMBA1004803	696	R-HEMBA1004803	6217
45	HEMBA1004806	F-HEMBA1004806	697	R-HEMBA1004806	6218
	HEMBA1004807	F-HEMBA1004807	698	R-HEMBA1004807	6219
	HEMBA1004816	F-HEMBA1004816	699	R-HEMBA1004816	6220
	HEMBA1004820	F-HEMBA1004820	700	R-HEMBA1004820	6221
50	HEMBA1004847	F-HEMBA1004847	701	R-HEMBA1004847	6222
	HEMBA1004850	F-HEMBA1004850	702	R-HEMBA1004850	6223
	HEMBA1004863	F-HEMBA1004863	703	R-HEMBA1004863	6224
	HEMBA1004864	F-HEMBA1004864	704	R-HEMBA1004864	6225
55	HEMBA1004865	F-HEMBA1004865	705	R-HEMBA1004865	6226

	HEMBA1004880	F-HEMBA1004880	706	R-HEMBA1004880	6227
	HEMBA1004889	F-HEMBA1004889	707	R-HEMBA1004889	6228
	HEMBA1004900	F-HEMBA1004900	708	R-HEMBA1004900	6229
5	HEMBA1004909	F-HEMBA1004909	709	R-HEMBA1004909	6230
	HEMBA1004918	F-HEMBA1004918	710	R-HEMBA1004918	6231
	HEMBA1004923	F-HEMBA1004923	711	R-HEMBA1004923	6232
	HEMBA1004929	F-HEMBA1004929	712	R-HEMBA1004929	6233
10	HEMBA1004930	F-HEMBA1004930	713	R-HEMBA1004930	6234
	HEMBA1004933	F-HEMBA1004933	714	R-HEMBA1004933	6235
	HEMBA1004934	F-HEMBA1004934	715	R-HEMBA1004934	6236
	HEMBA1004944	F-HEMBA1004944	716	R-HEMBA1004944	6237
15	HEMBA1004954	F-HEMBA1004954	717	R-HEMBA1004954	6238
	HEMBA1004956	F-HEMBA1004956	718	R-HEMBA1004956	6239
	HEMBA1004960	F-HEMBA1004960	719	R-HEMBA1004960	6240
	HEMBA1004972	F-HEMBA1004972	720	R-HEMBA1004972	6241
	HEMBA1004973	F-HEMBA1004973	721	R-HEMBA1004973	6242
20	HEMBA1004977	F-HEMBA1004977	722	R-HEMBA1004977	6243
	HEMBA1004978	F-HEMBA1004978	723	R-HEMBA1004978	6244
	HEMBA1004980	F-HEMBA1004980	724	R-HEMBA1004980	6245
	HEMBA1004983	F-HEMBA1004983	725	R-HEMBA1004983	6246
25	HEMBA1004995	F-HEMBA1004995	726	R-HEMBA1004995	6247
	HEMBA1005008	F-HEMBA1005008	727	R-HEMBA1005008	6248
	HEMBA1005009	F-HEMBA1005009	728	R-HEMBA1005009	6249
	HEMBA1005019	F-HEMBA1005019	729	R-HEMBA1005019	6250
30	HEMBA1005029	F-HEMBA1005029	730	R-HEMBA1005029	6251
	HEMBA1005035	F-HEMBA1005035	731	R-HEMBA1005035	6252
	HEMBA1005039	F-HEMBA1005039	732	R-HEMBA1005039	6253
	HEMBA1005047	F-HEMBA1005047	733	R-HEMBA1005047	6254
	HEMBA1005050	F-HEMBA1005050	734	R-HEMBA1005050	6255
35	HEMBA1005062	F-HEMBA1005062	735	R-HEMBA1005062	6256
	HEMBA1005066	F-HEMBA1005066	736	R-HEMBA1005066	6257
	HEMBA1005075	F-HEMBA1005075	737	R-HEMBA1005075	6258
	HEMBA1005079	F-HEMBA1005079	738	R-HEMBA1005079	6259
40	HEMBA1005083	F-HEMBA1005083	739	R-HEMBA1005083	6260
	HEMBA1005101	F-HEMBA1005101	740	R-HEMBA1005101	6261
	HEMBA1005113	F-HEMBA1005113	741	R-HEMBA1005113	6262
	HEMBA1005123	F-HEMBA1005123	742	R-HEMBA1005123	6263
45	HEMBA1005133	F-HEMBA1005133	743	R-HEMBA1005133	6264
	HEMBA1005149	F-HEMBA1005149	744	R-HEMBA1005149	6265
	HEMBA1005152	F-HEMBA1005152	745	R-HEMBA1005152	6266
	HEMBA1005159	F-HEMBA1005159	746	R-HEMBA1005159	6267
50	HEMBA1005185	F-HEMBA1005185	747	R-HEMBA1005185	6268
	HEMBA1005201	F-HEMBA1005201	748	R-HEMBA1005201	6269
	HEMBA1005202	F-HEMBA1005202	749	R-HEMBA1005202	6270
	HEMBA1005206	F-HEMBA1005206	750		
55	HEMBA1005219	F-HEMBA1005219	751	R-HEMBA1005219	6271

	HEMBA1005223	F-HEMBA1005223	752	R-HEMBA1005223	6272
	HEMBA1005232	F-HEMBA1005232	753	R-HEMBA1005232	6273
	HEMBA1005241	F-HEMBA1005241	754	R-HEMBA1005241	6274
5	HEMBA1005244	F-HEMBA1005244	755	R-HEMBA1005244	6275
	HEMBA1005251	F-HEMBA1005251	756	R-HEMBA1005251	6276
	HEMBA1005252	F-HEMBA1005252	757	R-HEMBA1005252	6277
	HEMBA1005274	F-HEMBA1005274	758	R-HEMBA1005274	6278
10	HEMBA1005275	F-HEMBA1005275	759	R-HEMBA1005275	6279
	HEMBA1005293	F-HEMBA1005293	760	R-HEMBA1005293	6280
	HEMBA1005296	F-HEMBA1005296	761	R-HEMBA1005296	6281
	HEMBA1005304	F-HEMBA1005304	762	R-HEMBA1005304	6282
15	HEMBA1005311	F-HEMBA1005311	763	R-HEMBA1005311	6283
	HEMBA1005314	F-HEMBA1005314	764	R-HEMBA1005314	6284
	HEMBA1005315	F-HEMBA1005315	765	R-HEMBA1005315	6285
	HEMBA1005318	F-HEMBA1005318	766	R-HEMBA1005318	6286
20	HEMBA1005331	F-HEMBA1005331	767	R-HEMBA1005331	6287
	HEMBA1005338	F-HEMBA1005338	768		
	HEMBA1005353	F-HEMBA1005353	769	R-HEMBA1005353	6288
	HEMBA1005359	F-HEMBA1005359	770	R-HEMBA1005359	6289
	HEMBA1005367	F-HEMBA1005367	771	R-HEMBA1005367	6290
25	HEMBA1005372	F-HEMBA1005372	772	R-HEMBA1005372	6291
	HEMBA1005374	F-HEMBA1005374	773	R-HEMBA1005374	6292
	HEMBA1005382	F-HEMBA1005382	774		
	HEMBA1005389	F-HEMBA1005389	775	R-HEMBA1005389	6293
30	HEMBA1005394	F-HEMBA1005394	776	R-HEMBA1005394	6294
	HEMBA1005403	F-HEMBA1005403	777	R-HEMBA1005403	6295
	HEMBA1005408	F-HEMBA1005408	778	R-HEMBA1005408	6296
	HEMBA1005410	F-HEMBA1005410	779	R-HEMBA1005410	6297
35	HEMBA1005411	F-HEMBA1005411	780	R-HEMBA1005411	6298
	HEMBA1005423	F-HEMBA1005423	781	R-HEMBA1005423	6299
	HEMBA1005426	F-HEMBA1005426	782	R-HEMBA1005426	6300
	HEMBA1005443	F-HEMBA1005443	783	R-HEMBA1005443	6301
	HEMBA1005447	F-HEMBA1005447	784	R-HEMBA1005447	6302
40	HEMBA1005468	F-HEMBA1005468	785	R-HEMBA1005468	6303
	HEMBA1005469	F-HEMBA1005469	786	R-HEMBA1005469	6304
	HEMBA1005472	F-HEMBA1005472	787	R-HEMBA1005472	6305
	HEMBA1005474	F-HEMBA1005474	788		
45	HEMBA1005475	F-HEMBA1005475	789	R-HEMBA1005475	6306
	HEMBA1005497	F-HEMBA1005497	790	R-HEMBA1005497	6307
	HEMBA1005500	F-HEMBA1005500	791	R-HEMBA1005500	6308
	HEMBA1005506	F-HEMBA1005506	792	R-HEMBA1005506	6309
50	HEMBA1005508	F-HEMBA1005508	793	R-HEMBA1005508	6310
	HEMBA1005511	F-HEMBA1005511	794	R-HEMBA1005511	6311
	HEMBA1005513	F-HEMBA1005513	795		
	HEMBA1005517	F-HEMBA1005517	796	R-HEMBA1005517	6312
55	HEMBA1005518	F-HEMBA1005518	797	R-HEMBA1005518	6313

	HEMBA1005520	F-HEMBA1005520	798	R-HEMBA1005520	6314
	HEMBA1005526	F-HEMBA1005526	799	R-HEMBA1005526	6315
	HEMBA1005528	F-HEMBA1005528	800	R-HEMBA1005528	6316
5	HEMBA1005530	F-HEMBA1005530	801	R-HEMBA1005530	6317
	HEMBA1005548	F-HEMBA1005548	802	R-HEMBA1005548	6318
	HEMBA1005552	F-HEMBA1005552	803	R-HEMBA1005552	6319
	HEMBA1005558	F-HEMBA1005558	804	R-HEMBA1005558	6320
10	HEMBA1005568	F-HEMBA1005568	805	R-HEMBA1005568	6321
	HEMBA1005570	F-HEMBA1005570	806	R-HEMBA1005570	6322
	HEMBA1005576	F-HEMBA1005576	807	R-HEMBA1005576	6323
	HEMBA1005577	F-HEMBA1005577	808	R-HEMBA1005577	6324
15	HEMBA1005581	F-HEMBA1005581	809	R-HEMBA1005581	6325
	HEMBA1005582	F-HEMBA1005582	810	R-HEMBA1005582	6326
	HEMBA1005583	F-HEMBA1005583	811	R-HEMBA1005583	6327
	HEMBA1005588	F-HEMBA1005588	812	R-HEMBA1005588	6328
20	HEMBA1005593	F-HEMBA1005593	813	R-HEMBA1005593	6329
	HEMBA1005595	F-HEMBA1005595	814	R-HEMBA1005595	6330
	HEMBA1005606	F-HEMBA1005606	815	R-HEMBA1005606	6331
	HEMBA1005609	F-HEMBA1005609	816	R-HEMBA1005609	6332
	HEMBA1005616	F-HEMBA1005616	817	R-HEMBA1005616	6333
25	HEMBA1005621	F-HEMBA1005621	818	R-HEMBA1005621	6334
	HEMBA1005627	F-HEMBA1005627	819	R-HEMBA1005627	6335
	HEMBA1005631	F-HEMBA1005631	820	R-HEMBA1005631	6336
	HEMBA1005632	F-HEMBA1005632	821	R-HEMBA1005632	6337
30	HEMBA1005634	F-HEMBA1005634	822	R-HEMBA1005634	6338
	HEMBA1005666	F-HEMBA1005666	823	R-HEMBA1005666	6339
	HEMBA1005670	F-HEMBA1005670	824	R-HEMBA1005670	6340
	HEMBA1005679	F-HEMBA1005679	825	R-HEMBA1005679	6341
	HEMBA1005680	F-HEMBA1005680	826	R-HEMBA1005680	6342
35	HEMBA1005685	F-HEMBA1005685	827	R-HEMBA1005685	6343
	HEMBA1005699	F-HEMBA1005699	828	R-HEMBA1005699	6344
	HEMBA1005705	F-HEMBA1005705	829	R-HEMBA1005705	6345
	HEMBA1005717	F-HEMBA1005717	830	R-HEMBA1005717	6346
40	HEMBA1005732	F-HEMBA1005732	831	R-HEMBA1005732	6347
	HEMBA1005737	F-HEMBA1005737	832	R-HEMBA1005737	6348
	HEMBA1005746	F-HEMBA1005746	833	R-nnnnnnnnnnnnn	6349
	HEMBA1005755	F-HEMBA1005755	834	R-HEMBA1005755	6350
45	HEMBA1005765	F-HEMBA1005765	835	R-HEMBA1005765	6351
	HEMBA1005780	F-HEMBA1005780	836	R-HEMBA1005780	6352
	HEMBA1005813	F-HEMBA1005813	837	R-HEMBA1005813	6353
	HEMBA1005815	F-HEMBA1005815	838	R-HEMBA1005815	6354
50	HEMBA1005822	F-HEMBA1005822	839	R-HEMBA1005822	6355
	HEMBA1005829	F-HEMBA1005829	840	R-HEMBA1005829	6356
	HEMBA1005834	F-HEMBA1005834	841	R-HEMBA1005834	6357
	HEMBA1005852	F-HEMBA1005852	842	R-HEMBA1005852	6358
55	HEMBA1005853	F-HEMBA1005853	843	R-HEMBA1005853	6359

	HEMBA1005884	F-HEMBA1005884	844	R-HEMBA1005884	6360
	HEMBA1005891	F-HEMBA1005891	845	R-HEMBA1005891	6361
	HEMBA1005894	F-HEMBA1005894	846	R-HEMBA1005894	6362
5	HEMBA1005909	F-HEMBA1005909	847	R-HEMBA1005909	6363
	HEMBA1005911	F-HEMBA1005911	848	R-HEMBA1005911	6364
	HEMBA1005921	F-HEMBA1005921	849	R-HEMBA1005921	6365
	HEMBA1005931	F-HEMBA1005931	850	R-HEMBA1005931	6366
10	HEMBA1005934	F-HEMBA1005934	851	R-HEMBA1005934	6367
	HEMBA1005962	F-HEMBA1005962	852	R-HEMBA1005962	6368
	HEMBA1005963	F-HEMBA1005963	853	R-HEMBA1005963	6369
	HEMBA1005990	F-HEMBA1005990	854	R-HEMBA1005990	6370
15	HEMBA1005991	F-HEMBA1005991	855	R-HEMBA1005991	6371
	HEMBA1005999	F-HEMBA1005999	856	R-HEMBA1005999	6372
	HEMBA1006002	F-HEMBA1006002	857	R-HEMBA1006002	6373
	HEMBA1006005	F-HEMBA1006005	858	R-HEMBA1006005	6374
20	HEMBA1006031	F-HEMBA1006031	859	R-nnnnnnnnnnnnn	6375
	HEMBA1006035	F-HEMBA1006035	860	R-HEMBA1006035	6376
	HEMBA1006036	F-HEMBA1006036	861	R-HEMBA1006036	6377
	HEMBA1006042	F-HEMBA1006042	862	R-HEMBA1006042	6378
	HEMBA1006067	F-HEMBA1006067	863	R-nnnnnnnnnnnnn	6379
25	HEMBA1006081	F-HEMBA1006081	864	R-HEMBA1006081	6380
	HEMBA1006090	F-HEMBA1006090	865	R-HEMBA1006090	6381
	HEMBA1006091	F-HEMBA1006091	866	R-HEMBA1006091	6382
	HEMBA1006100	F-HEMBA1006100	867	R-HEMBA1006100	6383
30	HEMBA1006108	F-HEMBA1006108	868	R-HEMBA1006108	6384
	HEMBA1006121	F-HEMBA1006121	869	R-HEMBA1006121	6385
	HEMBA1006124	F-HEMBA1006124	870	R-HEMBA1006124	6386
	HEMBA1006130	F-HEMBA1006130	871	R-HEMBA1006130	6387
	HEMBA1006138	F-HEMBA1006138	872	R-nnnnnnnnnnnnn	6388
35	HEMBA1006142	F-HEMBA1006142	873	R-HEMBA1006142	6389
	HEMBA1006155	F-HEMBA1006155	874	R-HEMBA1006155	6390
	HEMBA1006158	F-HEMBA1006158	875	R-HEMBA1006158	6391
	HEMBA1006173	F-HEMBA1006173	876	R-HEMBA1006173	6392
40	HEMBA1006182	F-HEMBA1006182	877	R-HEMBA1006182	6393
	HEMBA1006198	F-HEMBA1006198	878	R-HEMBA1006198	6394
	HEMBA1006235	F-HEMBA1006235	879	R-HEMBA1006235	6395
	HEMBA1006248	F-HEMBA1006248	880	R-HEMBA1006248	6396
45	HEMBA1006252	F-HEMBA1006252	881	R-HEMBA1006252	6397
	HEMBA1006253	F-HEMBA1006253	882	R-HEMBA1006253	6398
	HEMBA1006259	F-HEMBA1006259	883	R-HEMBA1006259	6399
	HEMBA1006268	F-HEMBA1006268	884	R-HEMBA1006268	6400
	HEMBA1006272	F-HEMBA1006272	885	R-HEMBA1006272	6401
50	HEMBA1006278	F-HEMBA1006278	886	R-nnnnnnnnnnnnn	6402
	HEMBA1006283	F-HEMBA1006283	887	R-HEMBA1006283	6403
	HEMBA1006284	F-HEMBA1006284	888	R-HEMBA1006284	6404
55	HEMBA1006291	F-HEMBA1006291	889	R-HEMBA1006291	6405

	HEMBA1006293	F-HEMBA1006293	890	R-HEMBA1006293	6406
	HEMBA1006309	F-HEMBA1006309	891	R-HEMBA1006309	6407
	HEMBA1006310	F-HEMBA1006310	892	R-HEMBA1006310	6408
5	HEMBA1006328	F-HEMBA1006328	893	R-HEMBA1006328	6409
	HEMBA1006334	F-HEMBA1006334	894	R-HEMBA1006334	6410
	HEMBA1006344	F-HEMBA1006344	895	R-HEMBA1006344	6411
	HEMBA1006347	F-HEMBA1006347	896	R-HEMBA1006347	6412
10	HEMBA1006349	F-HEMBA1006349	897	R-HEMBA1006349	6413
	HEMBA1006359	F-HEMBA1006359	898	R-HEMBA1006359	6414
	HEMBA1006364	F-HEMBA1006364	899	R-HEMBA1006364	6415
	HEMBA1006377	F-HEMBA1006377	900	R-HEMBA1006377	6416
15	HEMBA1006380	F-HEMBA1006380	901	R-HEMBA1006380	6417
	HEMBA1006381	F-HEMBA1006381	902	R-HEMBA1006381	6418
	HEMBA1006398	F-HEMBA1006398	903	R-HEMBA1006398	6419
	HEMBA1006416	F-HEMBA1006416	904	R-HEMBA1006416	6420
20	HEMBA1006419	F-HEMBA1006419	905	R-HEMBA1006419	6421
	HEMBA1006421	F-HEMBA1006421	906	R-HEMBA1006421	6422
	HEMBA1006424	F-HEMBA1006424	907	R-HEMBA1006424	6423
	HEMBA1006426	F-HEMBA1006426	908	R-HEMBA1006426	6424
	HEMBA1006438	F-HEMBA1006438	909	R-HEMBA1006438	6425
25	HEMBA1006445	F-HEMBA1006445	910	R-HEMBA1006445	6426
	HEMBA1006446	F-HEMBA1006446	911	R-HEMBA1006446	6427
	HEMBA1006461	F-HEMBA1006461	912	R-HEMBA1006461	6428
	HEMBA1006467	F-HEMBA1006467	913	R-HEMBA1006467	6429
30	HEMBA1006471	F-HEMBA1006471	914	R-HEMBA1006471	6430
	HEMBA1006474	F-HEMBA1006474	915	R-HEMBA1006474	6431
	HEMBA1006483	F-HEMBA1006483	916	R-HEMBA1006483	6432
	HEMBA1006485	F-HEMBA1006485	917	R-HEMBA1006485	6433
	HEMBA1006486	F-HEMBA1006486	918	R-HEMBA1006486	6434
35	HEMBA1006489	F-HEMBA1006489	919	R-HEMBA1006489	6435
	HEMBA1006492	F-HEMBA1006492	920	R-HEMBA1006492	6436
	HEMBA1006494	F-HEMBA1006494	921	R-HEMBA1006494	6437
	HEMBA1006497	F-HEMBA1006497	922	R-HEMBA1006497	6438
40	HEMBA1006502	F-HEMBA1006502	923	R-HEMBA1006502	6439
	HEMBA1006507	F-HEMBA1006507	924	R-HEMBA1006507	6440
	HEMBA1006521	F-HEMBA1006521	925	R-HEMBA1006521	6441
	HEMBA1006530	F-HEMBA1006530	926	R-HEMBA1006530	6442
45	HEMBA1006535	F-HEMBA1006535	927	R-HEMBA1006535	6443
	HEMBA1006540	F-HEMBA1006540	928	R-HEMBA1006540	6444
	HEMBA1006546	F-HEMBA1006546	929	R-HEMBA1006546	6445
	HEMBA1006559	F-HEMBA1006559	930	R-HEMBA1006559	6446
	HEMBA1006562	F-HEMBA1006562	931	R-HEMBA1006562	6447
50	HEMBA1006566	F-HEMBA1006566	932	R-HEMBA1006566	6448
	HEMBA1006569	F-HEMBA1006569	933	R-HEMBA1006569	6449
	HEMBA1006579	F-HEMBA1006579	934	R-HEMBA1006579	6450
	HEMBA1006583	F-HEMBA1006583	935	R-HEMBA1006583	6451

	HEMBA1006595	F-HEMBA1006595	936	R-HEMBA1006595	6452
	HEMBA1006597	F-HEMBA1006597	937	R-HEMBA1006597	6453
	HEMBA1006612	F-HEMBA1006612	938	R-HEMBA1006612	6454
5	HEMBA1006617	F-HEMBA1006617	939	R-nnnnnnnnnnnnn	6455
	HEMBA1006624	F-HEMBA1006624	940	R-HEMBA1006624	6456
	HEMBA1006631	F-HEMBA1006631	941	R-HEMBA1006631	6457
	HEMBA1006635	F-HEMBA1006635	942	R-HEMBA1006635	6458
10	HEMBA1006639	F-HEMBA1006639	943	R-HEMBA1006639	6459
	HEMBA1006643	F-HEMBA1006643	944	R-HEMBA1006643	6460
	HEMBA1006648	F-HEMBA1006648	945	R-HEMBA1006648	6461
	HEMBA1006652	F-HEMBA1006652	946	R-HEMBA1006652	6462
15	HEMBA1006653	F-HEMBA1006653	947	R-HEMBA1006653	6463
	HEMBA1006659	F-HEMBA1006659	948		
	HEMBA1006665	F-HEMBA1006665	949	R-HEMBA1006665	6464
	HEMBA1006674	F-HEMBA1006674	950	R-HEMBA1006674	6465
20	HEMBA1006676	F-HEMBA1006676	951	R-HEMBA1006676	6466
	HEMBA1006682	F-HEMBA1006682	952	R-HEMBA1006682	6467
	HEMBA1006695	F-HEMBA1006695	953	R-HEMBA1006695	6468
	HEMBA1006696	F-HEMBA1006696	954	R-HEMBA1006696	6469
	HEMBA1006708	F-HEMBA1006708	955	R-HEMBA1006708	6470
25	HEMBA1006709	F-HEMBA1006709	956	R-HEMBA1006709	6471
	HEMBA1006717	F-HEMBA1006717	957	R-HEMBA1006717	6472
	HEMBA1006737	F-HEMBA1006737	958	R-HEMBA1006737	6473
	HEMBA1006744	F-HEMBA1006744	959	R-HEMBA1006744	6474
30	HEMBA1006754	F-HEMBA1006754	960	R-HEMBA1006754	6475
	HEMBA1006758	F-HEMBA1006758	961	R-HEMBA1006758	6476
	HEMBA1006767	F-HEMBA1006767	962	R-HEMBA1006767	6477
	HEMBA1006779	F-HEMBA1006779	963	R-HEMBA1006779	6478
	HEMBA1006780	F-HEMBA1006780	964	R-HEMBA1006780	6479
35	HEMBA1006789	F-HEMBA1006789	965	R-HEMBA1006789	6480
	HEMBA1006795	F-HEMBA1006795	966	R-HEMBA1006795	6481
	HEMBA1006796	F-HEMBA1006796	967	R-HEMBA1006796	6482
	HEMBA1006807	F-HEMBA1006807	968	R-HEMBA1006807	6483
40	HEMBA1006821	F-HEMBA1006821	969	R-HEMBA1006821	6484
	HEMBA1006824	F-HEMBA1006824	970	R-HEMBA1006824	6485
	HEMBA1006832	F-HEMBA1006832	971	R-HEMBA1006832	6486
	HEMBA1006849	F-HEMBA1006849	972	R-HEMBA1006849	6487
45	HEMBA1006865	F-HEMBA1006865	973	R-HEMBA1006865	6488
	HEMBA1006877	F-HEMBA1006877	974	R-nnnnnnnnnnnnn	6489
	HEMBA1006885	F-HEMBA1006885	975	R-HEMBA1006885	6490
	HEMBA1006900	F-HEMBA1006900	976	R-HEMBA1006900	6491
	HEMBA1006914	F-HEMBA1006914	977		
50	HEMBA1006921	F-HEMBA1006921	978	R-HEMBA1006921	6492
	HEMBA1006926	F-HEMBA1006926	979	R-HEMBA1006926	6493
	HEMBA1006929	F-HEMBA1006929	980	R-HEMBA1006929	6494
55	HEMBA1006936	F-HEMBA1006936	981	R-HEMBA1006936	6495

	HEMBA1006938	F-HEMBA1006938	982	R-HEMBA1006938	6496
	HEMBA1006941	F-HEMBA1006941	983	R-HEMBA1006941	6497
	HEMBA1006949	F-HEMBA1006949	984	R-HEMBA1006949	6498
5	HEMBA1006973	F-HEMBA1006973	985	R-HEMBA1006973	6499
	HEMBA1006976	F-HEMBA1006976	986	R-HEMBA1006976	6500
	HEMBA1006993	F-HEMBA1006993	987	R-HEMBA1006993	6501
	HEMBA1006996	F-HEMBA1006996	988	R-HEMBA1006996	6502
10	HEMBA1007002	F-HEMBA1007002	989	R-HEMBA1007002	6503
	HEMBA1007017	F-HEMBA1007017	990	R-HEMBA1007017	6504
	HEMBA1007018	F-HEMBA1007018	991	R-HEMBA1007018	6505
	HEMBA1007045	F-HEMBA1007045	992	R-HEMBA1007045	6506
15	HEMBA1007051	F-HEMBA1007051	993	R-HEMBA1007051	6507
	HEMBA1007052	F-HEMBA1007052	994	R-HEMBA1007052	6508
	HEMBA1007062	F-HEMBA1007062	995	R-HEMBA1007062	6509
	HEMBA1007066	F-HEMBA1007066	996	R-HEMBA1007066	6510
	HEMBA1007073	F-HEMBA1007073	997	R-HEMBA1007073	6511
20	HEMBA1007078	F-HEMBA1007078	998	R-HEMBA1007078	6512
	HEMBA1007080	F-HEMBA1007080	999		
	HEMBA1007085	F-HEMBA1007085	1000	R-HEMBA1007085	6513
	HEMBA1007087	F-HEMBA1007087	1001	R-HEMBA1007087	6514
25	HEMBA1007112	F-HEMBA1007112	1002	R-HEMBA1007112	6515
	HEMBA1007113	F-HEMBA1007113	1003	R-HEMBA1007113	6516
	HEMBA1007121	F-HEMBA1007121	1004		
	HEMBA1007129	F-HEMBA1007129	1005	R-HEMBA1007129	6517
30	HEMBA1007147	F-HEMBA1007147	1006	R-HEMBA1007147	6518
	HEMBA1007149	F-HEMBA1007149	1007	R-HEMBA1007149	6519
	HEMBA1007151	F-HEMBA1007151	1008	R-HEMBA1007151	6520
	HEMBA1007174	F-HEMBA1007174	1009	R-nnnnnnnnnnnnn	6521
	HEMBA1007178	F-HEMBA1007178	1010	R-HEMBA1007178	6522
35	HEMBA1007194	F-HEMBA1007194	1011	R-HEMBA1007194	6523
	HEMBA1007203	F-HEMBA1007203	1012	R-HEMBA1007203	6524
	HEMBA1007206	F-HEMBA1007206	1013	R-HEMBA1007206	6525
	HEMBA1007224	F-HEMBA1007224	1014	R-HEMBA1007224	6526
40	HEMBA1007243	F-HEMBA1007243	1015		
	HEMBA1007251	F-HEMBA1007251	1016	R-HEMBA1007251	6527
	HEMBA1007256	F-HEMBA1007256	1017	R-HEMBA1007256	6528
	HEMBA1007267	F-HEMBA1007267	1018	R-HEMBA1007267	6529
45	HEMBA1007273	F-HEMBA1007273	1019	R-HEMBA1007273	6530
	HEMBA1007279	F-HEMBA1007279	1020	R-HEMBA1007279	6531
	HEMBA1007281	F-HEMBA1007281	1021	R-HEMBA1007281	6532
	HEMBA1007288	F-HEMBA1007288	1022	R-HEMBA1007288	6533
	HEMBA1007300	F-HEMBA1007300	1023	R-HEMBA1007300	6534
50	HEMBA1007301	F-HEMBA1007301	1024	R-HEMBA1007301	6535
	HEMBA1007319	F-HEMBA1007319	1025	R-HEMBA1007319	6536
	HEMBA1007320	F-HEMBA1007320	1026	R-HEMBA1007320	6537
	HEMBA1007322	F-HEMBA1007322	1027	R-HEMBA1007322	6538

	HEMBA1007327	F-HEMBA1007327	1028	R-HEMBA1007327	6539
	HEMBA1007341	F-HEMBA1007341	1029	R-HEMBA1007341	6540
	HEMBA1007342	F-HEMBA1007342	1030	R-HEMBA1007342	6541
5	HEMBA1007347	F-HEMBA1007347	1031	R-HEMBA1007347	6542
	HEMBA1000005	F-HEMBA1000005	1032	R-HEMBA1000005	6543
	HEMBA1000008	F-HEMBA1000008	1033	R-HEMBA1000008	6544
	HEMBA1000018	F-HEMBA1000018	1034	R-HEMBA1000018	6545
10	HEMBA1000024	F-HEMBA1000024	1035	R-HEMBA1000024	6546
	HEMBA1000025	F-HEMBA1000025	1036	R-HEMBA1000025	6547
	HEMBA1000030	F-HEMBA1000030	1037	R-HEMBA1000030	6548
	HEMBA1000036	F-HEMBA1000036	1038	R-HEMBA1000036	6549
15	HEMBA1000037	F-HEMBA1000037	1039	R-HEMBA1000037	6550
	HEMBA1000039	F-HEMBA1000039	1040	R-HEMBA1000039	6551
	HEMBA1000044	F-HEMBA1000044	1041	R-HEMBA1000044	6552
	HEMBA1000048	F-HEMBA1000048	1042	R-HEMBA1000048	6553
	HEMBA1000050	F-HEMBA1000050	1043	R-HEMBA1000050	6554
20	HEMBA1000054	F-HEMBA1000054	1044	R-HEMBA1000054	6555
	HEMBA1000055	F-HEMBA1000055	1045	R-HEMBA1000055	6556
	HEMBA1000059	F-HEMBA1000059	1046	R-HEMBA1000059	6557
	HEMBA1000083	F-HEMBA1000083	1047	R-HEMBA1000083	6558
25	HEMBA1000089	F-HEMBA1000089	1048	R-HEMBA1000089	6559
	HEMBA1000099	F-HEMBA1000099	1049	R-HEMBA1000099	6560
	HEMBA1000103	F-HEMBA1000103	1050	R-HEMBA1000103	6561
	HEMBA1000113	F-HEMBA1000113	1051	R-HEMBA1000113	6562
30	HEMBA1000119	F-HEMBA1000119	1052	R-HEMBA1000119	6563
	HEMBA1000136	F-HEMBA1000136	1053	R-HEMBA1000136	6564
	HEMBA1000141	F-HEMBA1000141	1054	R-HEMBA1000141	6565
	HEMBA1000144	F-HEMBA1000144	1055	R-HEMBA1000144	6566
	HEMBA1000173	F-HEMBA1000173	1056	R-HEMBA1000173	6567
35	HEMBA1000175	F-HEMBA1000175	1057	R-HEMBA1000175	6568
	HEMBA1000198	F-HEMBA1000198	1058	R-HEMBA1000198	6569
	HEMBA1000215	F-HEMBA1000215	1059	R-HEMBA1000215	6570
	HEMBA1000217	F-HEMBA1000217	1060	R-HEMBA1000217	6571
40	HEMBA1000218	F-HEMBA1000218	1061	R-HEMBA1000218	6572
	HEMBA1000226	F-HEMBA1000226	1062	R-HEMBA1000226	6573
	HEMBA1000240	F-HEMBA1000240	1063	R-HEMBA1000240	6574
	HEMBA1000244	F-HEMBA1000244	1064	R-HEMBA1000244	6575
45	HEMBA1000250	F-HEMBA1000250	1065	R-HEMBA1000250	6576
	HEMBA1000258	F-HEMBA1000258	1066	R-HEMBA1000258	6577
	HEMBA1000264	F-HEMBA1000264	1067	R-HEMBA1000264	6578
	HEMBA1000266	F-HEMBA1000266	1068	R-HEMBA1000266	6579
	HEMBA1000272	F-HEMBA1000272	1069	R-HEMBA1000272	6580
50	HEMBA1000274	F-HEMBA1000274	1070	R-HEMBA1000274	6581
	HEMBA1000284	F-HEMBA1000284	1071	R-HEMBA1000284	6582
	HEMBA1000307	F-HEMBA1000307	1072	R-HEMBA1000307	6583
	HEMBA1000312	F-HEMBA1000312	1073	R-HEMBA1000312	6584

	HEMBB1000317	F-HEMBB1000317	1074	R-HEMBB1000317	6585
	HEMBB1000318	F-HEMBB1000318	1075	R-HEMBB1000318	6586
	HEMBB1000335	F-HEMBB1000335	1076	R-HEMBB1000335	6587
5	HEMBB1000336	F-HEMBB1000336	1077	R-HEMBB1000336	6588
	HEMBB1000337	F-HEMBB1000337	1078	R-HEMBB1000337	6589
	HEMBB1000338	F-HEMBB1000338	1079	R-HEMBB1000338	6590
	HEMBB1000339	F-HEMBB1000339	1080	R-HEMBB1000339	6591
10	HEMBB1000341	F-HEMBB1000341	1081	R-HEMBB1000341	6592
	HEMBB1000343	F-HEMBB1000343	1082	R-HEMBB1000343	6593
	HEMBB1000354	F-HEMBB1000354	1083	R-HEMBB1000354	6594
	HEMBB1000369	F-HEMBB1000369	1084	R-HEMBB1000369	6595
15	HEMBB1000374	F-HEMBB1000374	1085	R-HEMBB1000374	6596
	HEMBB1000376	F-HEMBB1000376	1086	R-HEMBB1000376	6597
	HEMBB1000391	F-HEMBB1000391	1087	R-HEMBB1000391	6598
	HEMBB1000399	F-HEMBB1000399	1088	R-HEMBB1000399	6599
20	HEMBB1000402	F-HEMBB1000402	1089	R-HEMBB1000402	6600
	HEMBB1000404	F-HEMBB1000404	1090	R-HEMBB1000404	6601
	HEMBB1000420	F-HEMBB1000420	1091	R-HEMBB1000420	6602
	HEMBB1000434	F-HEMBB1000434	1092	R-HEMBB1000434	6603
	HEMBB1000438	F-HEMBB1000438	1093	R-HEMBB1000438	6604
25	HEMBB1000441	F-HEMBB1000441	1094	R-HEMBB1000441	6605
	HEMBB1000449	F-HEMBB1000449	1095	R-HEMBB1000449	6606
	HEMBB1000455	F-HEMBB1000455	1096	R-HEMBB1000455	6607
	HEMBB1000472	F-HEMBB1000472	1097	R-HEMBB1000472	6608
30	HEMBB1000480	F-HEMBB1000480	1098	R-HEMBB1000480	6609
	HEMBB1000487	F-HEMBB1000487	1099	R-HEMBB1000487	6610
	HEMBB1000490	F-HEMBB1000490	1100	R-HEMBB1000490	6611
	HEMBB1000491	F-HEMBB1000491	1101	R-HEMBB1000491	6612
35	HEMBB1000493	F-HEMBB1000493	1102	R-HEMBB1000493	6613
	HEMBB1000510	F-HEMBB1000510	1103	R-HEMBB1000510	6614
	HEMBB1000518	F-HEMBB1000518	1104	R-HEMBB1000518	6615
	HEMBB1000523	F-HEMBB1000523	1105	R-HEMBB1000523	6616
	HEMBB1000530	F-HEMBB1000530	1106	R-HEMBB1000530	6617
40	HEMBB1000550	F-HEMBB1000550	1107	R-HEMBB1000550	6618
	HEMBB1000554	F-HEMBB1000554	1108	R-HEMBB1000554	6619
	HEMBB1000556	F-HEMBB1000556	1109	R-HEMBB1000556	6620
	HEMBB1000564	F-HEMBB1000564	1110	R-HEMBB1000564	6621
45	HEMBB1000573	F-HEMBB1000573	1111	R-HEMBB1000573	6622
	HEMBB1000575	F-HEMBB1000575	1112	R-HEMBB1000575	6623
	HEMBB1000586	F-HEMBB1000586	1113	R-HEMBB1000586	6624
	HEMBB1000589	F-HEMBB1000589	1114	R-HEMBB1000589	6625
	HEMBB1000591	F-HEMBB1000591	1115	R-HEMBB1000591	6626
50	HEMBB1000592	F-HEMBB1000592	1116	R-HEMBB1000592	6627
	HEMBB1000593	F-HEMBB1000593	1117		
	HEMBB1000598	F-HEMBB1000598	1118	R-HEMBB1000598	6628
	HEMBB1000623	F-HEMBB1000623	1119	R-HEMBB1000623	6629

	HEMBB1000630	F-HEMBB1000630	1120	R-HEMBB1000630	6630
	HEMBB1000631	F-HEMBB1000631	1121	R-HEMBB1000631	6631
	HEMBB1000632	F-HEMBB1000632	1122	R-HEMBB1000632	6632
5	HEMBB1000637	F-HEMBB1000637	1123	R-HEMBB1000637	6633
	HEMBB1000638	F-HEMBB1000638	1124	R-HEMBB1000638	6634
	HEMBB1000643	F-HEMBB1000643	1125	R-HEMBB1000643	6635
	HEMBB1000649	F-HEMBB1000649	1126	R-HEMBB1000649	6636
10	HEMBB1000652	F-HEMBB1000652	1127	R-HEMBB1000652	6637
	HEMBB1000665	F-HEMBB1000665	1128	R-HEMBB1000665	6638
	HEMBB1000671	F-HEMBB1000671	1129	R-HEMBB1000671	6639
	HEMBB1000673	F-HEMBB1000673	1130	R-HEMBB1000673	6640
15	HEMBB1000684	F-HEMBB1000684	1131	R-HEMBB1000684	6641
	HEMBB1000693	F-HEMBB1000693	1132	R-nnnnnnnnnnnnn	6642
	HEMBB1000705	F-HEMBB1000705	1133	R-HEMBB1000705	6643
	HEMBB1000706	F-HEMBB1000706	1134	R-HEMBB1000706	6644
20	HEMBB1000709	F-HEMBB1000709	1135	R-HEMBB1000709	6645
	HEMBB1000725	F-HEMBB1000725	1136	R-HEMBB1000725	6646
	HEMBB1000726	F-HEMBB1000726	1137	R-HEMBB1000726	6647
	HEMBB1000738	F-HEMBB1000738	1138	R-HEMBB1000738	6648
25	HEMBB1000749	F-HEMBB1000749	1139	R-HEMBB1000749	6649
	HEMBB1000763	F-HEMBB1000763	1140	R-HEMBB1000763	6650
	HEMBB1000770	F-HEMBB1000770	1141	R-HEMBB1000770	6651
	HEMBB1000774	F-HEMBB1000774	1142		
30	HEMBB1000781	F-HEMBB1000781	1143	R-HEMBB1000781	6652
	HEMBB1000789	F-HEMBB1000789	1144	R-HEMBB1000789	6653
	HEMBB1000790	F-HEMBB1000790	1145	R-HEMBB1000790	6654
	HEMBB1000794	F-HEMBB1000794	1146	R-HEMBB1000794	6655
	HEMBB1000807	F-HEMBB1000807	1147	R-HEMBB1000807	6656
35	HEMBB1000810	F-HEMBB1000810	1148	R-HEMBB1000810	6657
	HEMBB1000821	F-HEMBB1000821	1149	R-HEMBB1000821	6658
	HEMBB1000822	F-HEMBB1000822	1150	R-HEMBB1000822	6659
	HEMBB1000826	F-HEMBB1000826	1151	R-HEMBB1000826	6660
40	HEMBB1000827	F-HEMBB1000827	1152	R-HEMBB1000827	6661
	HEMBB1000831	F-HEMBB1000831	1153	R-HEMBB1000831	6662
	HEMBB1000835	F-HEMBB1000835	1154	R-HEMBB1000835	6663
	HEMBB1000840	F-HEMBB1000840	1155	R-HEMBB1000840	6664
45	HEMBB1000848	F-HEMBB1000848	1156	R-HEMBB1000848	6665
	HEMBB1000852	F-HEMBB1000852	1157	R-HEMBB1000852	6666
	HEMBB1000870	F-HEMBB1000870	1158	R-HEMBB1000870	6667
	HEMBB1000876	F-HEMBB1000876	1159	R-HEMBB1000876	6668
50	HEMBB1000883	F-HEMBB1000883	1160	R-HEMBB1000883	6669
	HEMBB1000887	F-HEMBB1000887	1161	R-HEMBB1000887	6670
	HEMBB1000888	F-HEMBB1000888	1162	R-HEMBB1000888	6671
	HEMBB1000890	F-HEMBB1000890	1163	R-HEMBB1000890	6672
	HEMBB1000893	F-HEMBB1000893	1164	R-HEMBB1000893	6673
55	HEMBB1000908	F-HEMBB1000908	1165	R-HEMBB1000908	6674

	HEMBB1000910	F-HEMBB1000910	1166	R-HEMBB1000910	6675
	HEMBB1000913	F-HEMBB1000913	1167	R-HEMBB1000913	6676
	HEMBB1000915	F-HEMBB1000915	1168	R-HEMBB1000915	6677
5	HEMBB1000917	F-HEMBB1000917	1169	R-HEMBB1000917	6678
	HEMBB1000927	F-HEMBB1000927	1170	R-HEMBB1000927	6679
	HEMBB1000947	F-HEMBB1000947	1171	R-HEMBB1000947	6680
	HEMBB1000959	F-HEMBB1000959	1172	R-HEMBB1000959	6681
10	HEMBB1000973	F-HEMBB1000973	1173	R-HEMBB1000973	6682
	HEMBB1000975	F-HEMBB1000975	1174	R-HEMBB1000975	6683
	HEMBB1000981	F-HEMBB1000981	1175	R-HEMBB1000981	6684
	HEMBB1000985	F-HEMBB1000985	1176	R-HEMBB1000985	6685
15	HEMBB1000991	F-HEMBB1000991	1177	R-HEMBB1000991	6686
	HEMBB1000996	F-HEMBB1000996	1178	R-HEMBB1000996	6687
	HEMBB1001004	F-HEMBB1001004	1179	R-HEMBB1001004	6688
	HEMBB1001008	F-HEMBB1001008	1180	R-HEMBB1001008	6689
20	HEMBB1001011	F-HEMBB1001011	1181	R-HEMBB1001011	6690
	HEMBB1001014	F-HEMBB1001014	1182	R-HEMBB1001014	6691
	HEMBB1001020	F-HEMBB1001020	1183	R-HEMBB1001020	6692
	HEMBB1001024	F-HEMBB1001024	1184	R-HEMBB1001024	6693
25	HEMBB1001037	F-HEMBB1001037	1185	R-HEMBB1001037	6694
	HEMBB1001047	F-HEMBB1001047	1186	R-HEMBB1001047	6695
	HEMBB1001051	F-HEMBB1001051	1187	R-HEMBB1001051	6696
	HEMBB1001056	F-HEMBB1001056	1188	R-HEMBB1001056	6697
30	HEMBB1001058	F-HEMBB1001058	1189	R-HEMBB1001058	6698
	HEMBB1001060	F-HEMBB1001060	1190	R-HEMBB1001060	6699
	HEMBB1001063	F-HEMBB1001063	1191	R-HEMBB1001063	6700
	HEMBB1001068	F-HEMBB1001068	1192	R-HEMBB1001068	6701
	HEMBB1001096	F-HEMBB1001096	1193	R-HEMBB1001096	6702
35	HEMBB1001102	F-HEMBB1001102	1194	R-HEMBB1001102	6703
	HEMBB1001105	F-HEMBB1001105	1195	R-HEMBB1001105	6704
	HEMBB1001112	F-HEMBB1001112	1196		
	HEMBB1001114	F-HEMBB1001114	1197	R-HEMBB1001114	6705
40	HEMBB1001117	F-HEMBB1001117	1198	R-HEMBB1001117	6706
	HEMBB1001119	F-HEMBB1001119	1199	R-HEMBB1001119	6707
	HEMBB1001126	F-HEMBB1001126	1200	R-HEMBB1001126	6708
	HEMBB1001133	F-HEMBB1001133	1201	R-HEMBB1001133	6709
45	HEMBB1001137	F-HEMBB1001137	1202	R-HEMBB1001137	6710
	HEMBB1001142	F-HEMBB1001142	1203	R-HEMBB1001142	6711
	HEMBB1001151	F-HEMBB1001151	1204	R-HEMBB1001151	6712
	HEMBB1001153	F-HEMBB1001153	1205	R-HEMBB1001153	6713
50	HEMBB1001169	F-HEMBB1001169	1206	R-HEMBB1001169	6714
	HEMBB1001175	F-HEMBB1001175	1207	R-nnnnnnnnnnnnn	6715
	HEMBB1001177	F-HEMBB1001177	1208	R-HEMBB1001177	6716
	HEMBB1001182	F-HEMBB1001182	1209	R-HEMBB1001182	6717
55	HEMBB1001199	F-HEMBB1001199	1210	R-HEMBB1001199	6718
	HEMBB1001208	F-HEMBB1001208	1211	R-HEMBB1001208	6719

	HEMBB1001209	F-HEMBB1001209	1212	R-HEMBB1001209	6720
	HEMBB1001210	F-HEMBB1001210	1213	R-HEMBB1001210	6721
	HEMBB1001218	F-HEMBB1001218	1214	R-HEMBB1001218	6722
5	HEMBB1001221	F-HEMBB1001221	1215	R-HEMBB1001221	6723
	HEMBB1001234	F-HEMBB1001234	1216	R-HEMBB1001234	6724
	HEMBB1001242	F-HEMBB1001242	1217	R-HEMBB1001242	6725
	HEMBB1001249	F-HEMBB1001249	1218	R-HEMBB1001249	6726
10	HEMBB1001253	F-HEMBB1001253	1219	R-HEMBB1001253	6727
	HEMBB1001254	F-HEMBB1001254	1220	R-HEMBB1001254	6728
	HEMBB1001267	F-HEMBB1001267	1221	R-HEMBB1001267	6729
	HEMBB1001271	F-HEMBB1001271	1222	R-HEMBB1001271	6730
15	HEMBB1001282	F-HEMBB1001282	1223	R-HEMBB1001282	6731
	HEMBB1001288	F-HEMBB1001288	1224	R-HEMBB1001288	6732
	HEMBB1001289	F-HEMBB1001289	1225	R-HEMBB1001289	6733
	HEMBB1001294	F-HEMBB1001294	1226	R-HEMBB1001294	6734
20	HEMBB1001302	F-HEMBB1001302	1227	R-HEMBB1001302	6735
	HEMBB1001304	F-HEMBB1001304	1228	R-HEMBB1001304	6736
	HEMBB1001314	F-HEMBB1001314	1229	R-HEMBB1001314	6737
	HEMBB1001315	F-HEMBB1001315	1230	R-HEMBB1001315	6738
25	HEMBB1001317	F-HEMBB1001317	1231	R-HEMBB1001317	6739
	HEMBB1001326	F-HEMBB1001326	1232	R-HEMBB1001326	6740
	HEMBB1001331	F-HEMBB1001331	1233	R-HEMBB1001331	6741
	HEMBB1001335	F-HEMBB1001335	1234	R-HEMBB1001335	6742
30	HEMBB1001337	F-HEMBB1001337	1235	R-HEMBB1001337	6743
	HEMBB1001339	F-HEMBB1001339	1236	R-HEMBB1001339	6744
	HEMBB1001346	F-HEMBB1001346	1237	R-HEMBB1001346	6745
	HEMBB1001348	F-HEMBB1001348	1238	R-HEMBB1001348	6746
	HEMBB1001356	F-HEMBB1001356	1239	R-HEMBB1001356	6747
35	HEMBB1001364	F-HEMBB1001364	1240	R-HEMBB1001364	6748
	HEMBB1001366	F-HEMBB1001366	1241	R-HEMBB1001366	6749
	HEMBB1001367	F-HEMBB1001367	1242	R-HEMBB1001367	6750
	HEMBB1001369	F-HEMBB1001369	1243	R-HEMBB1001369	6751
40	HEMBB1001380	F-HEMBB1001380	1244	R-HEMBB1001380	6752
	HEMBB1001384	F-HEMBB1001384	1245	R-HEMBB1001384	6753
	HEMBB1001387	F-HEMBB1001387	1246	R-HEMBB1001387	6754
	HEMBB1001394	F-HEMBB1001394	1247	R-HEMBB1001394	6755
45	HEMBB1001410	F-HEMBB1001410	1248	R-HEMBB1001410	6756
	HEMBB1001424	F-HEMBB1001424	1249	R-HEMBB1001424	6757
	HEMBB1001426	F-HEMBB1001426	1250	R-HEMBB1001426	6758
	HEMBB1001429	F-HEMBB1001429	1251	R-HEMBB1001429	6759
50	HEMBB1001436	F-HEMBB1001436	1252	R-HEMBB1001436	6760
	HEMBB1001443	F-HEMBB1001443	1253	R-HEMBB1001443	6761
	HEMBB1001449	F-HEMBB1001449	1254	R-HEMBB1001449	6762
	HEMBB1001454	F-HEMBB1001454	1255	R-HEMBB1001454	6763
	HEMBB1001458	F-HEMBB1001458	1256	R-HEMBB1001458	6764
55	HEMBB1001463	F-HEMBB1001463	1257	R-HEMBB1001463	6765

	HEMBB1001464	F-HEMBB1001464	1258	R-HEMBB1001464	6766
	HEMBB1001482	F-HEMBB1001482	1259	R-HEMBB1001482	6767
	HEMBB1001500	F-HEMBB1001500	1260	R-HEMBB1001500	6768
5	HEMBB1001521	F-HEMBB1001521	1261	R-HEMBB1001521	6769
	HEMBB1001527	F-HEMBB1001527	1262	R-HEMBB1001527	6770
	HEMBB1001531	F-HEMBB1001531	1263	R-HEMBB1001531	6771
	HEMBB1001535	F-HEMBB1001535	1264	R-HEMBB1001535	6772
10	HEMBB1001536	F-HEMBB1001536	1265	R-HEMBB1001536	6773
	HEMBB1001537	F-HEMBB1001537	1266	R-HEMBB1001537	6774
	HEMBB1001555	F-HEMBB1001555	1267	R-HEMBB1001555	6775
	HEMBB1001562	F-HEMBB1001562	1268	R-HEMBB1001562	6776
15	HEMBB1001564	F-HEMBB1001564	1269	R-HEMBB1001564	6777
	HEMBB1001565	F-HEMBB1001565	1270	R-HEMBB1001565	6778
	HEMBB1001585	F-HEMBB1001585	1271	R-HEMBB1001585	6779
	HEMBB1001586	F-HEMBB1001586	1272	R-HEMBB1001586	6780
20	HEMBB1001588	F-HEMBB1001588	1273	R-HEMBB1001588	6781
	HEMBB1001603	F-HEMBB1001603	1274	R-HEMBB1001603	6782
	HEMBB1001618	F-HEMBB1001618	1275	R-HEMBB1001618	6783
	HEMBB1001619	F-HEMBB1001619	1276	R-HEMBB1001619	6784
25	HEMBB1001630	F-HEMBB1001630	1277	R-HEMBB1001630	6785
	HEMBB1001635	F-HEMBB1001635	1278	R-HEMBB1001635	6786
	HEMBB1001637	F-HEMBB1001637	1279	R-HEMBB1001637	6787
	HEMBB1001641	F-HEMBB1001641	1280	R-HEMBB1001641	6788
	HEMBB1001653	F-HEMBB1001653	1281	R-HEMBB1001653	6789
30	HEMBB1001665	F-HEMBB1001665	1282	R-HEMBB1001665	6790
	HEMBB1001668	F-HEMBB1001668	1283	R-HEMBB1001668	6791
	HEMBB1001673	F-HEMBB1001673	1284	R-HEMBB1001673	6792
	HEMBB1001684	F-HEMBB1001684	1285	R-HEMBB1001684	6793
35	HEMBB1001685	F-HEMBB1001685	1286	R-HEMBB1001685	6794
	HEMBB1001695	F-HEMBB1001695	1287	R-HEMBB1001695	6795
	HEMBB1001704	F-HEMBB1001704	1288	R-HEMBB1001704	6796
	HEMBB1001706	F-HEMBB1001706	1289	R-HEMBB1001706	6797
40	HEMBB1001707	F-HEMBB1001707	1290	R-HEMBB1001707	6798
	HEMBB1001717	F-HEMBB1001717	1291	R-HEMBB1001717	6799
	HEMBB1001735	F-HEMBB1001735	1292	R-HEMBB1001735	6800
	HEMBB1001736	F-HEMBB1001736	1293	R-HEMBB1001736	6801
45	HEMBB1001747	F-HEMBB1001747	1294	R-HEMBB1001747	6802
	HEMBB1001749	F-HEMBB1001749	1295	R-HEMBB1001749	6803
	HEMBB1001753	F-HEMBB1001753	1296	R-HEMBB1001753	6804
	HEMBB1001756	F-HEMBB1001756	1297	R-HEMBB1001756	6805
	HEMBB1001760	F-HEMBB1001760	1298	R-HEMBB1001760	6806
50	HEMBB1001762	F-HEMBB1001762	1299	R-HEMBB1001762	6807
	HEMBB1001785	F-HEMBB1001785	1300	R-HEMBB1001785	6808
	HEMBB1001797	F-HEMBB1001797	1301	R-HEMBB1001797	6809
	HEMBB1001802	F-HEMBB1001802	1302	R-HEMBB1001802	6810
55	HEMBB1001812	F-HEMBB1001812	1303	R-HEMBB1001812	6811

	HEMBB1001816	F-HEMBB1001816	1304	R-HEMBB1001816	6812
	HEMBB1001831	F-HEMBB1001831	1305	R-HEMBB1001831	6813
	HEMBB1001834	F-HEMBB1001834	1306		
5	HEMBB1001836	F-HEMBB1001836	1307	R-HEMBB1001836	6814
	HEMBB1001839	F-HEMBB1001839	1308	R-HEMBB1001839	6815
	HEMBB1001850	F-HEMBB1001850	1309	R-HEMBB1001850	6816
	HEMBB1001863	F-HEMBB1001863	1310	R-HEMBB1001863	6817
10	HEMBB1001867	F-HEMBB1001867	1311	R-HEMBB1001867	6818
	HEMBB1001868	F-HEMBB1001868	1312	R-HEMBB1001868	6819
	HEMBB1001869	F-HEMBB1001869	1313	R-HEMBB1001869	6820
	HEMBB1001872	F-HEMBB1001872	1314	R-HEMBB1001872	6821
15	HEMBB1001874	F-HEMBB1001874	1315	R-HEMBB1001874	6822
	HEMBB1001875	F-HEMBB1001875	1316	R-HEMBB1001875	6823
	HEMBB1001880	F-HEMBB1001880	1317	R-HEMBB1001880	6824
	HEMBB1001899	F-HEMBB1001899	1318	R-HEMBB1001899	6825
20	HEMBB1001905	F-HEMBB1001905	1319	R-HEMBB1001905	6826
	HEMBB1001906	F-HEMBB1001906	1320	R-HEMBB1001906	6827
	HEMBB1001908	F-HEMBB1001908	1321	R-HEMBB1001908	6828
	HEMBB1001910	F-HEMBB1001910	1322	R-HEMBB1001910	6829
25	HEMBB1001911	F-HEMBB1001911	1323	R-HEMBB1001911	6830
	HEMBB1001915	F-HEMBB1001915	1324	R-HEMBB1001915	6831
	HEMBB1001921	F-HEMBB1001921	1325	R-HEMBB1001921	6832
	HEMBB1001922	F-HEMBB1001922	1326	R-HEMBB1001922	6833
	HEMBB1001925	F-HEMBB1001925	1327	R-HEMBB1001925	6834
30	HEMBB1001930	F-HEMBB1001930	1328	R-HEMBB1001930	6835
	HEMBB1001944	F-HEMBB1001944	1329	R-HEMBB1001944	6836
	HEMBB1001945	F-HEMBB1001945	1330	R-HEMBB1001945	6837
	HEMBB1001947	F-HEMBB1001947	1331	R-HEMBB1001947	6838
35	HEMBB1001950	F-HEMBB1001950	1332	R-HEMBB1001950	6839
	HEMBB1001952	F-HEMBB1001952	1333	R-HEMBB1001952	6840
	HEMBB1001953	F-HEMBB1001953	1334	R-HEMBB1001953	6841
	HEMBB1001957	F-HEMBB1001957	1335	R-HEMBB1001957	6842
40	HEMBB1001962	F-HEMBB1001962	1336	R-HEMBB1001962	6843
	HEMBB1001967	F-HEMBB1001967	1337	R-HEMBB1001967	6844
	HEMBB1001973	F-HEMBB1001973	1338	R-HEMBB1001973	6845
	HEMBB1001983	F-HEMBB1001983	1339	R-HEMBB1001983	6846
45	HEMBB1001988	F-HEMBB1001988	1340	R-HEMBB1001988	6847
	HEMBB1001990	F-HEMBB1001990	1341	R-HEMBB1001990	6848
	HEMBB1001996	F-HEMBB1001996	1342	R-HEMBB1001996	6849
	HEMBB1001997	F-HEMBB1001997	1343	R-HEMBB1001997	6850
50	HEMBB1002002	F-HEMBB1002002	1344	R-HEMBB1002002	6851
	HEMBB1002005	F-HEMBB1002005	1345	R-HEMBB1002005	6852
	HEMBB1002009	F-HEMBB1002009	1346	R-HEMBB1002009	6853
	HEMBB1002015	F-HEMBB1002015	1347	R-HEMBB1002015	6854
	HEMBB1002042	F-HEMBB1002042	1348	R-HEMBB1002042	6855
55	HEMBB1002043	F-HEMBB1002043	1349	R-HEMBB1002043	6856

	HEMBB1002044	F-HEMBB1002044	1350	R-HEMBB1002044	6857
	HEMBB1002045	F-HEMBB1002045	1351	R-HEMBB1002045	6858
	HEMBB1002049	F-HEMBB1002049	1352	R-HEMBB1002049	6859
5	HEMBB1002050	F-HEMBB1002050	1353	R-HEMBB1002050	6860
	HEMBB1002068	F-HEMBB1002068	1354	R-HEMBB1002068	6861
	HEMBB1002069	F-HEMBB1002069	1355	R-HEMBB1002069	6862
	HEMBB1002092	F-HEMBB1002092	1356	R-HEMBB1002092	6863
10	HEMBB1002094	F-HEMBB1002094	1357	R-HEMBB1002094	6864
	HEMBB1002115	F-HEMBB1002115	1358	R-HEMBB1002115	6865
	HEMBB1002134	F-HEMBB1002134	1359		
	HEMBB1002139	F-HEMBB1002139	1360	R-HEMBB1002139	6866
15	HEMBB1002142	F-HEMBB1002142	1361	R-HEMBB1002142	6867
	HEMBB1002152	F-HEMBB1002152	1362	R-HEMBB1002152	6868
	HEMBB1002189	F-HEMBB1002189	1363	R-HEMBB1002189	6869
	HEMBB1002190	F-HEMBB1002190	1364	R-HEMBB1002190	6870
20	HEMBB1002193	F-HEMBB1002193	1365	R-HEMBB1002193	6871
	HEMBB1002217	F-HEMBB1002217	1366	R-HEMBB1002217	6872
	HEMBB1002218	F-HEMBB1002218	1367	R-HEMBB1002218	6873
	HEMBB1002232	F-HEMBB1002232	1368	R-HEMBB1002232	6874
25	HEMBB1002247	F-HEMBB1002247	1369	R-HEMBB1002247	6875
	HEMBB1002249	F-HEMBB1002249	1370	R-HEMBB1002249	6876
	HEMBB1002254	F-HEMBB1002254	1371	R-HEMBB1002254	6877
	HEMBB1002255	F-HEMBB1002255	1372	R-HEMBB1002255	6878
30	HEMBB1002266	F-HEMBB1002266	1373	R-HEMBB1002266	6879
	HEMBB1002280	F-HEMBB1002280	1374	R-HEMBB1002280	6880
	HEMBB1002300	F-HEMBB1002300	1375	R-HEMBB1002300	6881
	HEMBB1002306	F-HEMBB1002306	1376	R-HEMBB1002306	6882
	HEMBB1002327	F-HEMBB1002327	1377	R-HEMBB1002327	6883
35	HEMBB1002329	F-HEMBB1002329	1378	R-HEMBB1002329	6884
	HEMBB1002340	F-HEMBB1002340	1379	R-HEMBB1002340	6885
	HEMBB1002342	F-HEMBB1002342	1380	R-HEMBB1002342	6886
	HEMBB1002358	F-HEMBB1002358	1381	R-HEMBB1002358	6887
40	HEMBB1002359	F-HEMBB1002359	1382	R-HEMBB1002359	6888
	HEMBB1002364	F-HEMBB1002364	1383	R-HEMBB1002364	6889
	HEMBB1002371	F-HEMBB1002371	1384	R-HEMBB1002371	6890
	HEMBB1002381	F-HEMBB1002381	1385	R-HEMBB1002381	6891
45	HEMBB1002383	F-HEMBB1002383	1386	R-HEMBB1002383	6892
	HEMBB1002387	F-HEMBB1002387	1387	R-HEMBB1002387	6893
	HEMBB1002409	F-HEMBB1002409	1388		
	HEMBB1002415	F-HEMBB1002415	1389	R-HEMBB1002415	6894
	HEMBB1002425	F-HEMBB1002425	1390	R-HEMBB1002425	6895
50	HEMBB1002442	F-HEMBB1002442	1391	R-HEMBB1002442	6896
	HEMBB1002453	F-HEMBB1002453	1392	R-HEMBB1002453	6897
	HEMBB1002457	F-HEMBB1002457	1393	R-HEMBB1002457	6898
	HEMBB1002458	F-HEMBB1002458	1394	R-HEMBB1002458	6899
55	HEMBB1002477	F-HEMBB1002477	1395	R-HEMBB1002477	6900

	HEMBB1002489	F-HEMBB1002489	1396	R-HEMBB1002489	6901
	HEMBB1002492	F-HEMBB1002492	1397	R-HEMBB1002492	6902
	HEMBB1002495	F-HEMBB1002495	1398	R-HEMBB1002495	6903
5	HEMBB1002502	F-HEMBB1002502	1399	R-HEMBB1002502	6904
	HEMBB1002509	F-HEMBB1002509	1400	R-HEMBB1002509	6905
	HEMBB1002510	F-HEMBB1002510	1401	R-HEMBB1002510	6906
	HEMBB1002520	F-HEMBB1002520	1402	R-HEMBB1002520	6907
10	HEMBB1002522	F-HEMBB1002522	1403	R-HEMBB1002522	6908
	HEMBB1002531	F-HEMBB1002531	1404	R-HEMBB1002531	6909
	HEMBB1002534	F-HEMBB1002534	1405	R-HEMBB1002534	6910
	HEMBB1002545	F-HEMBB1002545	1406	R-HEMBB1002545	6911
15	HEMBB1002550	F-HEMBB1002550	1407	R-HEMBB1002550	6912
	HEMBB1002556	F-HEMBB1002556	1408	R-HEMBB1002556	6913
	HEMBB1002579	F-HEMBB1002579	1409	R-HEMBB1002579	6914
	HEMBB1002582	F-HEMBB1002582	1410	R-HEMBB1002582	6915
20	HEMBB1002590	F-HEMBB1002590	1411	R-HEMBB1002590	6916
	HEMBB1002596	F-HEMBB1002596	1412	R-HEMBB1002596	6917
	HEMBB1002600	F-HEMBB1002600	1413	R-HEMBB1002600	6918
	HEMBB1002601	F-HEMBB1002601	1414	R-HEMBB1002601	6919
25	HEMBB1002603	F-HEMBB1002603	1415	R-HEMBB1002603	6920
	HEMBB1002607	F-HEMBB1002607	1416	R-HEMBB1002607	6921
	HEMBB1002610	F-HEMBB1002610	1417	R-HEMBB1002610	6922
	HEMBB1002613	F-HEMBB1002613	1418	R-HEMBB1002613	6923
30	HEMBB1002614	F-HEMBB1002614	1419	R-HEMBB1002614	6924
	HEMBB1002617	F-HEMBB1002617	1420	R-HEMBB1002617	6925
	HEMBB1002623	F-HEMBB1002623	1421	R-HEMBB1002623	6926
	HEMBB1002635	F-HEMBB1002635	1422	R-HEMBB1002635	6927
	HEMBB1002664	F-HEMBB1002664	1423	R-HEMBB1002664	6928
35	HEMBB1002677	F-HEMBB1002677	1424	R-HEMBB1002677	6929
	HEMBB1002683	F-HEMBB1002683	1425	R-HEMBB1002683	6930
	HEMBB1002684	F-HEMBB1002684	1426	R-HEMBB1002684	6931
	HEMBB1002686	F-HEMBB1002686	1427	R-HEMBB1002686	6932
40	HEMBB1002692	F-HEMBB1002692	1428	R-HEMBB1002692	6933
	HEMBB1002697	F-HEMBB1002697	1429	R-HEMBB1002697	6934
	HEMBB1002699	F-HEMBB1002699	1430	R-HEMBB1002699	6935
	HEMBB1002702	F-HEMBB1002702	1431	R-HEMBB1002702	6936
45	HEMBB1002705	F-HEMBB1002705	1432	R-HEMBB1002705	6937
	HEMBB1002712	F-HEMBB1002712	1433	R-HEMBB1002712	6938
	MAMMA1000009	F-MAMMA1000009	1434	R-MAMMA1000009	6939
	MAMMA1000019	F-MAMMA1000019	1435	R-MAMMA1000019	6940
50	MAMMA1000020	F-MAMMA1000020	1436	R-MAMMA1000020	6941
	MAMMA1000025	F-MAMMA1000025	1437	R-MAMMA1000025	6942
	MAMMA1000043	F-MAMMA1000043	1438	R-MAMMA1000043	6943
	MAMMA1000045	F-MAMMA1000045	1439	R-MAMMA1000045	6944
	MAMMA1000055	F-MAMMA1000055	1440	R-MAMMA1000055	6945
55	MAMMA1000057	F-MAMMA1000057	1441	R-MAMMA1000057	6946

	MAMMA1000069	F-MAMMA1000069	1442	R-MAMMA1000069	6947
	MAMMA1000084	F-MAMMA1000084	1443	R-MAMMA1000084	6948
	MAMMA1000085	F-MAMMA1000085	1444	R-MAMMA1000085	6949
5	MAMMA1000092	F-MAMMA1000092	1445	R-MAMMA1000092	6950
	MAMMA1000103	F-MAMMA1000103	1446	R-MAMMA1000103	6951
	MAMMA1000117	F-MAMMA1000117	1447	R-MAMMA1000117	6952
	MAMMA1000129	F-MAMMA1000129	1448	R-MAMMA1000129	6953
10	MAMMA1000133	F-MAMMA1000133	1449	R-MAMMA1000133	6954
	MAMMA1000134	F-MAMMA1000134	1450	R-MAMMA1000134	6955
	MAMMA1000139	F-MAMMA1000139	1451	R-MAMMA1000139	6956
	MAMMA1000143	F-MAMMA1000143	1452	R-MAMMA1000143	6957
15	MAMMA1000155	F-MAMMA1000155	1453	R-MAMMA1000155	6958
	MAMMA1000163	F-MAMMA1000163	1454	R-MAMMA1000163	6959
	MAMMA1000171	F-MAMMA1000171	1455	R-MAMMA1000171	6960
	MAMMA1000173	F-MAMMA1000173	1456	R-MAMMA1000173	6961
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	MAMMA1000183	F-MAMMA1000183	1458	R-MAMMA1000183	6963
	MAMMA1000198	F-MAMMA1000198	1459	R-MAMMA1000198	6964
	MAMMA1000221	F-MAMMA1000221	1460	R-MAMMA1000221	6965
25	MAMMA1000227	F-MAMMA1000227	1461	R-MAMMA1000227	6966
	MAMMA1000241	F-MAMMA1000241	1462	R-MAMMA1000241	6967
	MAMMA1000251	F-MAMMA1000251	1463	R-MAMMA1000251	6968
	MAMMA1000254	F-MAMMA1000254	1464	R-MAMMA1000254	6969
30	MAMMA1000257	F-MAMMA1000257	1465	R-MAMMA1000257	6970
	MAMMA1000264	F-MAMMA1000264	1466	R-MAMMA1000264	6971
	MAMMA1000266	F-MAMMA1000266	1467	R-MAMMA1000266	6972
	MAMMA1000270	F-MAMMA1000270	1468	R-MAMMA1000270	6973
	MAMMA1000277	F-MAMMA1000277	1469	R-MAMMA1000277	6974
35	MAMMA1000278	F-MAMMA1000278	1470	R-MAMMA1000278	6975
	MAMMA1000279	F-MAMMA1000279	1471	R-MAMMA1000279	6976
	MAMMA1000284	F-MAMMA1000284	1472	R-MAMMA1000284	6977
	MAMMA1000287	F-MAMMA1000287	1473	R-MAMMA1000287	6978
40	MAMMA1000302	F-MAMMA1000302	1474	R-MAMMA1000302	6979
	MAMMA1000307	F-MAMMA1000307	1475	R-MAMMA1000307	6980
	MAMMA1000309	F-MAMMA1000309	1476	R-MAMMA1000309	6981
	MAMMA1000312	F-MAMMA1000312	1477	R-MAMMA1000312	6982
45	MAMMA1000313	F-MAMMA1000313	1478	R-MAMMA1000313	6983
	MAMMA1000331	F-MAMMA1000331	1479	R-MAMMA1000331	6984
	MAMMA1000339	F-MAMMA1000339	1480	R-MAMMA1000339	6985
	MAMMA1000340	F-MAMMA1000340	1481	R-MAMMA1000340	6986
50	MAMMA1000348	F-MAMMA1000348	1482	R-MAMMA1000348	6987
	MAMMA1000356	F-MAMMA1000356	1483	R-MAMMA1000356	6988
	MAMMA1000360	F-MAMMA1000360	1484	R-MAMMA1000360	6989
	MAMMA1000361	F-MAMMA1000361	1485	R-MAMMA1000361	6990
	MAMMA1000372	F-MAMMA1000372	1486	R-MAMMA1000372	6991
55	MAMMA1000385	F-MAMMA1000385	1487	R-MAMMA1000385	6992

	MAMMA1000388	F-MAMMA1000388	1488	R-MAMMA1000388	6993
	MAMMA1000395	F-MAMMA1000395	1489	R-MAMMA1000395	6994
5	MAMMA1000402	F-MAMMA1000402	1490	R-MAMMA1000402	6995
	MAMMA1000410	F-MAMMA1000410	1491	R-MAMMA1000410	6996
	MAMMA1000413	F-MAMMA1000413	1492	R-MAMMA1000413	6997
	MAMMA1000414	F-MAMMA1000414	1493	R-MAMMA1000414	6998
	MAMMA1000416	F-MAMMA1000416	1494	R-MAMMA1000416	6999
10	MAMMA1000421	F-MAMMA1000421	1495	R-MAMMA1000421	7000
	MAMMA1000422	F-MAMMA1000422	1496	R-MAMMA1000422	7001
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	MAMMA1000424	F-MAMMA1000424	1498	R-MAMMA1000424	7003
15	MAMMA1000429	F-MAMMA1000429	1499	R-MAMMA1000429	7004
	MAMMA1000431	F-MAMMA1000431	1500	R-MAMMA1000431	7005
	MAMMA1000444	F-MAMMA1000444	1501	R-MAMMA1000444	7006
	MAMMA1000446	F-MAMMA1000446	1502	R-MAMMA1000446	7007
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	MAMMA1000472	F-MAMMA1000472	1505	R-MAMMA1000472	7010
	MAMMA1000478	F-MAMMA1000478	1506	R-MAMMA1000478	7011
25	MAMMA1000483	F-MAMMA1000483	1507	R-MAMMA1000483	7012
	MAMMA1000490	F-MAMMA1000490	1508	R-MAMMA1000490	7013
	MAMMA1000500	F-MAMMA1000500	1509	R-MAMMA1000500	7014
	MAMMA1000501	F-MAMMA1000501	1510	R-MAMMA1000501	7015
	MAMMA1000516	F-MAMMA1000516	1511	R-MAMMA1000516	7016
30	MAMMA1000522	F-MAMMA1000522	1512	R-MAMMA1000522	7017
	MAMMA1000524	F-MAMMA1000524	1513		
	MAMMA1000559	F-MAMMA1000559	1514	R-MAMMA1000559	7018
	MAMMA1000565	F-MAMMA1000565	1515	R-MAMMA1000565	7019
35	MAMMA1000567	F-MAMMA1000567	1516	R-MAMMA1000567	7020
	MAMMA1000576	F-MAMMA1000576	1517	R-MAMMA1000576	7021
	MAMMA1000583	F-MAMMA1000583	1518	R-MAMMA1000583	7022
	MAMMA1000585	F-MAMMA1000585	1519	R-MAMMA1000585	7023
40	MAMMA1000594	F-MAMMA1000594	1520	R-MAMMA1000594	7024
	MAMMA1000597	F-MAMMA1000597	1521	R-MAMMA1000597	7025
	MAMMA1000605	F-MAMMA1000605	1522	R-MAMMA1000605	7026
	MAMMA1000612	F-MAMMA1000612	1523	R-MAMMA1000612	7027
45	MAMMA1000616	F-MAMMA1000616	1524	R-MAMMA1000616	7028
	MAMMA1000621	F-MAMMA1000621	1525	R-MAMMA1000621	7029
	MAMMA1000623	F-MAMMA1000623	1526	R-MAMMA1000623	7030
	MAMMA1000625	F-MAMMA1000625	1527	R-MAMMA1000625	7031
	MAMMA1000643	F-MAMMA1000643	1528	R-MAMMA1000643	7032
50	MAMMA1000664	F-MAMMA1000664	1529	R-MAMMA1000664	7033
	MAMMA1000669	F-MAMMA1000669	1530	R-MAMMA1000669	7034
	MAMMA1000670	F-MAMMA1000670	1531	R-MAMMA1000670	7035
	MAMMA1000672	F-MAMMA1000672	1532	R-MAMMA1000672	7036
55	MAMMA1000684	F-MAMMA1000684	1533	R-MAMMA1000684	7037

	MAMMA1000696	F-MAMMA1000696	1534	R-MAMMA1000696	7038
	MAMMA1000707	F-MAMMA1000707	1535	R-MAMMA1000707	7039
	MAMMA1000713	F-MAMMA1000713	1536	R-MAMMA1000713	7040
5	MAMMA1000714	F-MAMMA1000714	1537	R-MAMMA1000714	7041
	MAMMA1000718	F-MAMMA1000718	1538	R-MAMMA1000718	7042
	MAMMA1000720	F-MAMMA1000720	1539	R-MAMMA1000720	7043
	MAMMA1000723	F-MAMMA1000723	1540	R-MAMMA1000723	7044
10	MAMMA1000731	F-MAMMA1000731	1541	R-MAMMA1000731	7045
	MAMMA1000732	F-MAMMA1000732	1542	R-MAMMA1000732	7046
	MAMMA1000733	F-MAMMA1000733	1543	R-MAMMA1000733	7047
	MAMMA1000734	F-MAMMA1000734	1544	R-MAMMA1000734	7048
15	MAMMA1000738	F-MAMMA1000738	1545	R-MAMMA1000738	7049
	MAMMA1000744	F-MAMMA1000744	1546	R-MAMMA1000744	7050
	MAMMA1000746	F-MAMMA1000746	1547	R-MAMMA1000746	7051
	MAMMA1000752	F-MAMMA1000752	1548	R-MAMMA1000752	7052
20	MAMMA1000760	F-MAMMA1000760	1549	R-MAMMA1000760	7053
	MAMMA1000761	F-MAMMA1000761	1550	R-MAMMA1000761	7054
	MAMMA1000775	F-MAMMA1000775	1551	R-MAMMA1000775	7055
	MAMMA1000776	F-MAMMA1000776	1552	R-MAMMA1000776	7056
	MAMMA1000778	F-MAMMA1000778	1553	R-MAMMA1000778	7057
25	MAMMA1000782	F-MAMMA1000782	1554	R-MAMMA1000782	7058
	MAMMA1000798	F-MAMMA1000798	1555	R-MAMMA1000798	7059
	MAMMA1000802	F-MAMMA1000802	1556	R-MAMMA1000802	7060
	MAMMA1000824	F-MAMMA1000824	1557		
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	MAMMA1000839	F-MAMMA1000839	1559	R-MAMMA1000839	7062
	MAMMA1000841	F-MAMMA1000841	1560	R-MAMMA1000841	7063
	MAMMA1000842	F-MAMMA1000842	1561	R-MAMMA1000842	7064
35	MAMMA1000843	F-MAMMA1000843	1562	R-MAMMA1000843	7065
	MAMMA1000845	F-MAMMA1000845	1563	R-MAMMA1000845	7066
	MAMMA1000851	F-MAMMA1000851	1564	R-MAMMA1000851	7067
	MAMMA1000855	F-MAMMA1000855	1565	R-MAMMA1000855	7068
40	MAMMA1000856	F-MAMMA1000856	1566	R-MAMMA1000856	7069
	MAMMA1000859	F-MAMMA1000859	1567		
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	MAMMA1000863	F-MAMMA1000863	1569	R-MAMMA1000863	7071
45	MAMMA1000865	F-MAMMA1000865	1570	R-MAMMA1000865	7072
	MAMMA1000867	F-MAMMA1000867	1571	R-MAMMA1000867	7073
	MAMMA1000875	F-MAMMA1000875	1572	R-MAMMA1000875	7074
	MAMMA1000876	F-MAMMA1000876	1573	R-MAMMA1000876	7075
	MAMMA1000877	F-MAMMA1000877	1574	R-MAMMA1000877	7076
50	MAMMA1000880	F-MAMMA1000880	1575	R-MAMMA1000880	7077
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	MAMMA1000897	F-MAMMA1000897	1577	R-MAMMA1000897	7079
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55	MAMMA1000906	F-MAMMA1000906	1579	R-MAMMA1000906	7081

	MAMMA1000908	F-MAMMA1000908	1580	R-MAMMA1000908	7082
	MAMMA1000914	F-MAMMA1000914	1581	R-MAMMA1000914	7083
	MAMMA1000921	F-MAMMA1000921	1582	R-MAMMA1000921	7084
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	MAMMA1000941	F-MAMMA1000941	1585	R-MAMMA1000941	7087
	MAMMA1000942	F-MAMMA1000942	1586	R-MAMMA1000942	7088
10	MAMMA1000943	F-MAMMA1000943	1587	R-MAMMA1000943	7089
	MAMMA1000956	F-MAMMA1000956	1588	R-MAMMA1000956	7090
	MAMMA1000957	F-MAMMA1000957	1589	R-MAMMA1000957	7091
	MAMMA1000962	F-MAMMA1000962	1590	R-MAMMA1000962	7092
15	MAMMA1000968	F-MAMMA1000968	1591	R-MAMMA1000968	7093
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	MAMMA1000979	F-MAMMA1000979	1593	R-MAMMA1000979	7095
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20	MAMMA1000998	F-MAMMA1000998	1595	R-MAMMA1000998	7097
	MAMMA1001003	F-MAMMA1001003	1596	R-MAMMA1001003	7098
	MAMMA1001008	F-MAMMA1001008	1597	R-MAMMA1001008	7099
	MAMMA1001021	F-MAMMA1001021	1598	R-MAMMA1001021	7100
	MAMMA1001024	F-MAMMA1001024	1599	R-MAMMA1001024	7101
25	MAMMA1001030	F-MAMMA1001030	1600	R-MAMMA1001030	7102
	MAMMA1001035	F-MAMMA1001035	1601	R-MAMMA1001035	7103
	MAMMA1001038	F-MAMMA1001038	1602	R-MAMMA1001038	7104
	MAMMA1001041	F-MAMMA1001041	1603	R-nnnnnnnnnnnnn	7105
30	MAMMA1001050	F-MAMMA1001050	1604	R-MAMMA1001050	7106
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	MAMMA1001067	F-MAMMA1001067	1606	R-MAMMA1001067	7108
	MAMMA1001073	F-MAMMA1001073	1607	R-MAMMA1001073	7109
35	MAMMA1001074	F-MAMMA1001074	1608	R-MAMMA1001074	7110
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	MAMMA1001078	F-MAMMA1001078	1610	R-MAMMA1001078	7112
	MAMMA1001080	F-MAMMA1001080	1611		
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	MAMMA1001091	F-MAMMA1001091	1613	R-MAMMA1001091	7114
	MAMMA1001092	F-MAMMA1001092	1614	R-MAMMA1001092	7115
	MAMMA1001105	F-MAMMA1001105	1615	R-MAMMA1001105	7116
45	MAMMA1001110	F-MAMMA1001110	1616	R-MAMMA1001110	7117
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	MAMMA1001133	F-MAMMA1001133	1618	R-MAMMA1001133	7119
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50	MAMMA1001143	F-MAMMA1001143	1620	R-MAMMA1001143	7121
	MAMMA1001145	F-MAMMA1001145	1621	R-MAMMA1001145	7122
	MAMMA1001154	F-MAMMA1001154	1622	R-MAMMA1001154	7123
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	MAMMA1001162	F-MAMMA1001162	1624	R-MAMMA1001162	7125
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	MAMMA1001186	F-MAMMA1001186	1626	R-MAMMA1001186	7127
	MAMMA1001191	F-MAMMA1001191	1627	R-MAMMA1001191	7128
	MAMMA1001198	F-MAMMA1001198	1628	R-MAMMA1001198	7129
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	MAMMA1001203	F-MAMMA1001203	1630	R-MAMMA1001203	7131
	MAMMA1001206	F-MAMMA1001206	1631	R-MAMMA1001206	7132
	MAMMA1001215	F-MAMMA1001215	1632	R-MAMMA1001215	7133
10	MAMMA1001220	F-MAMMA1001220	1633	R-MAMMA1001220	7134
	MAMMA1001222	F-MAMMA1001222	1634	R-MAMMA1001222	7135
	MAMMA1001243	F-MAMMA1001243	1635	R-MAMMA1001243	7136
	MAMMA1001244	F-MAMMA1001244	1636	R-MAMMA1001244	7137
15	MAMMA1001249	F-MAMMA1001249	1637	R-MAMMA1001249	7138
	MAMMA1001256	F-MAMMA1001256	1638	R-MAMMA1001256	7139
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	MAMMA1001260	F-MAMMA1001260	1640	R-MAMMA1001260	7141
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	MAMMA1001271	F-MAMMA1001271	1642	R-MAMMA1001271	7143
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	MAMMA1001280	F-MAMMA1001280	1644	R-MAMMA1001280	7145
	MAMMA1001292	F-MAMMA1001292	1645	R-MAMMA1001292	7146
25	MAMMA1001296	F-MAMMA1001296	1646	R-MAMMA1001296	7147
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	MAMMA1001305	F-MAMMA1001305	1648	R-MAMMA1001305	7149
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30	MAMMA1001324	F-MAMMA1001324	1650	R-MAMMA1001324	7151
	MAMMA1001330	F-MAMMA1001330	1651	R-MAMMA1001330	7152
	MAMMA1001341	F-MAMMA1001341	1652	R-MAMMA1001341	7153
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35	MAMMA1001346	F-MAMMA1001346	1654	R-MAMMA1001346	7155
	MAMMA1001383	F-MAMMA1001383	1655	R-MAMMA1001383	7156
	MAMMA1001388	F-MAMMA1001388	1656	R-MAMMA1001388	7157
	MAMMA1001397	F-MAMMA1001397	1657	R-MAMMA1001397	7158
40	MAMMA1001408	F-MAMMA1001408	1658	R-MAMMA1001408	7159
	MAMMA1001411	F-MAMMA1001411	1659	R-MAMMA1001411	7160
	MAMMA1001419	F-MAMMA1001419	1660	R-MAMMA1001419	7161
	MAMMA1001420	F-MAMMA1001420	1661	R-MAMMA1001420	7162
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45	MAMMA1001442	F-MAMMA1001442	1663	R-MAMMA1001442	7164
	MAMMA1001446	F-MAMMA1001446	1664	R-MAMMA1001446	7165
	MAMMA1001452	F-MAMMA1001452	1665	R-MAMMA1001452	7166
	MAMMA1001465	F-MAMMA1001465	1666	R-MAMMA1001465	7167
50	MAMMA1001476	F-MAMMA1001476	1667	R-MAMMA1001476	7168
	MAMMA1001487	F-MAMMA1001487	1668	R-MAMMA1001487	7169
	MAMMA1001501	F-MAMMA1001501	1669	R-MAMMA1001501	7170
	MAMMA1001502	F-MAMMA1001502	1670	R-MAMMA1001502	7171
55	MAMMA1001510	F-MAMMA1001510	1671	R-MAMMA1001510	7172

	MAMMA1001522	F-MAMMA1001522	1672	R-MAMMA1001522	7173
	MAMMA1001547	F-MAMMA1001547	1673	R-MAMMA1001547	7174
	MAMMA1001551	F-MAMMA1001551	1674	R-MAMMA1001551	7175
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	MAMMA1001576	F-MAMMA1001576	1676	R-MAMMA1001576	7177
	MAMMA1001590	F-MAMMA1001590	1677	R-MAMMA1001590	7178
	MAMMA1001600	F-MAMMA1001600	1678	R-MAMMA1001600	7179
10	MAMMA1001604	F-MAMMA1001604	1679	R-MAMMA1001604	7180
	MAMMA1001606	F-MAMMA1001606	1680	R-MAMMA1001606	7181
	MAMMA1001620	F-MAMMA1001620	1681	R-MAMMA1001620	7182
	MAMMA1001627	F-MAMMA1001627	1682	R-MAMMA1001627	7183
15	MAMMA1001630	F-MAMMA1001630	1683	R-MAMMA1001630	7184
	MAMMA1001633	F-MAMMA1001633	1684	R-MAMMA1001633	7185
	MAMMA1001635	F-MAMMA1001635	1685	R-MAMMA1001635	7186
	MAMMA1001649	F-MAMMA1001649	1686	R-MAMMA1001649	7187
20	MAMMA1001654	F-MAMMA1001654	1687		
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	MAMMA1001670	F-MAMMA1001670	1689	R-MAMMA1001670	7189
	MAMMA1001671	F-MAMMA1001671	1690	R-MAMMA1001671	7190
25	MAMMA1001679	F-MAMMA1001679	1691	R-MAMMA1001679	7191
	MAMMA1001683	F-MAMMA1001683	1692	R-MAMMA1001683	7192
	MAMMA1001686	F-MAMMA1001686	1693	R-MAMMA1001686	7193
	MAMMA1001692	F-MAMMA1001692	1694	R-MAMMA1001692	7194
30	MAMMA1001711	F-MAMMA1001711	1695	R-MAMMA1001711	7195
	MAMMA1001715	F-MAMMA1001715	1696	R-MAMMA1001715	7196
	MAMMA1001730	F-MAMMA1001730	1697	R-MAMMA1001730	7197
	MAMMA1001735	F-MAMMA1001735	1698	R-MAMMA1001735	7198
35	MAMMA1001740	F-MAMMA1001740	1699	R-MAMMA1001740	7199
	MAMMA1001743	F-MAMMA1001743	1700	R-MAMMA1001743	7200
	MAMMA1001744	F-MAMMA1001744	1701	R-MAMMA1001744	7201
	MAMMA1001745	F-MAMMA1001745	1702	R-MAMMA1001745	7202
	MAMMA1001751	F-MAMMA1001751	1703	R-MAMMA1001751	7203
40	MAMMA1001754	F-MAMMA1001754	1704	R-MAMMA1001754	7204
	MAMMA1001757	F-MAMMA1001757	1705	R-MAMMA1001757	7205
	MAMMA1001760	F-MAMMA1001760	1706	R-MAMMA1001760	7206
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45	MAMMA1001768	F-MAMMA1001768	1708	R-MAMMA1001768	7208
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	MAMMA1001771	F-MAMMA1001771	1710	R-MAMMA1001771	7210
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50	MAMMA1001785	F-MAMMA1001785	1712	R-MAMMA1001785	7212
	MAMMA1001788	F-MAMMA1001788	1713	R-MAMMA1001788	7213
	MAMMA1001790	F-MAMMA1001790	1714	R-MAMMA1001790	7214
	MAMMA1001806	F-MAMMA1001806	1715	R-MAMMA1001806	7215
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	MAMMA1002047	F-MAMMA1002047	1748	R-MAMMA1002047	7248
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	MAMMA1002082	F-MAMMA1002082	1753	R-MAMMA1002082	7253
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55	MAMMA1002153	F-MAMMA1002153	1763	R-MAMMA1002153	7263

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	MAMMA1002209	F-MAMMA1002209	1770	R-MAMMA1002209	7270
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	MAMMA1002298	F-MAMMA1002298	1785	R-MAMMA1002298	7285
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	MAMMA1002665	F-MAMMA1002665	1854	R-MAMMA1002665	7354
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	MAMMA1002765	F-MAMMA1002765	1873	R-MAMMA1002765	7373
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	MAMMA1003026	F-MAMMA1003026	1919	R-MAMMA1003026	7415
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25	MAMMA1003035	F-MAMMA1003035	1921	R-MAMMA1003035	7417
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	MAMMA1003040	F-MAMMA1003040	1923	R-MAMMA1003040	7419
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	MAMMA1003099	F-MAMMA1003099	1932	R-MAMMA1003099	7428
	MAMMA1003104	F-MAMMA1003104	1933	R-MAMMA1003104	7429
40	MAMMA1003113	F-MAMMA1003113	1934	R-MAMMA1003113	7430
	MAMMA1003127	F-MAMMA1003127	1935	R-MAMMA1003127	7431
	MAMMA1003135	F-MAMMA1003135	1936	R-MAMMA1003135	7432
	MAMMA1003140	F-MAMMA1003140	1937	R-MAMMA1003140	7433
45	MAMMA1003146	F-MAMMA1003146	1938	R-MAMMA1003146	7434
	MAMMA1003150	F-MAMMA1003150	1939	R-nnnnnnnnnnnnn	7435
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	NT2RM1000032	F-NT2RM1000032	1943		
	NT2RM1000035	F-NT2RM1000035	1944		
	NT2RM1000037	F-NT2RM1000037	1945		
55	NT2RM1000039	F-NT2RM1000039	1946		
	NT2RM1000055	F-NT2RM1000055	1947		

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	NT2RM1000059	F-NT2RM1000059	1948
	NT2RM1000062	F-NT2RM1000062	1949
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5	NT2RM1000086	F-NT2RM1000086	1951
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	NT2RP2000283	F-NT2RP2000283	2615		
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	NT2RP2000328	F-NT2RP2000328	2622		
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	NT2RP2000346	F-NT2RP2000346	2625	R-NT2RP2000346	7719
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	NT2RP2000422	F-NT2RP2000422	2630	R-NT2RP2000422	7723
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	NT2RP2000448	F-NT2RP2000448	2632	R-NT2RP2000448	7725
50	NT2RP2000459	F-NT2RP2000459	2633	R-NT2RP2000459	7726
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	NT2RP2000503	F-NT2RP2000503	2635	R-NT2RP2000503	7728
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	NT2RP2000704	F-NT2RP2000704	2647		
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	NT2RP2000731	F-NT2RP2000731	2650	R-NT2RP2000731	7742
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	NT2RP2000943	F-NT2RP2000943	2667	R-NT2RP2000943	7758
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45	NT2RP2001056	F-NT2RP2001056	2674		
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	NT2RP2001137	F-NT2RP2001137	2681	R-NT2RP2001137	7770
	NT2RP2001149	F-NT2RP2001149	2682	R-NT2RP2001149	7771
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	NT2RP2001506	F-NT2RP2001506	2714	R-NT2RP2001506	7802
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	NT2RP2001721	F-NT2RP2001721	2735	R-NT2RP2001721	7820
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	NT2RP2001985	F-NT2RP2001985	2755	R-NT2RP2001985	7838
	NT2RP2001991	F-NT2RP2001991	2756		
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	NT2RP2002032	F-NT2RP2002032	2758	R-NT2RP2002032	7840
	NT2RP2002033	F-NT2RP2002033	2759	R-NT2RP2002033	7841
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	NT2RP2003157	F-NT2RP2003157	2856		
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	NT2RP2003237	F-NT2RP2003237	2866	R-NT2RP2003237	7940
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	NT2RP2003286	F-NT2RP2003286	2872	R-NT2RP2003286	7946
	NT2RP2003293	F-NT2RP2003293	2873	R-NT2RP2003293	7947
	NT2RP2003295	F-NT2RP2003295	2874	R-NT2RP2003295	7948
10	NT2RP2003297	F-NT2RP2003297	2875	R-NT2RP2003297	7949
	NT2RP2003307	F-NT2RP2003307	2876		
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	NT2RP2003329	F-NT2RP2003329	2878	R-NT2RP2003329	7951
15	NT2RP2003339	F-NT2RP2003339	2879	R-NT2RP2003339	7952
	NT2RP2003347	F-NT2RP2003347	2880	R-NT2RP2003347	7953
	NT2RP2003367	F-NT2RP2003367	2881	R-NT2RP2003367	7954
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	NT2RP2003394	F-NT2RP2003394	2884	R-NT2RP2003394	7957
	NT2RP2003401	F-NT2RP2003401	2885	R-NT2RP2003401	7958
	NT2RP2003433	F-NT2RP2003433	2886	R-NT2RP2003433	7959
25	NT2RP2003445	F-NT2RP2003445	2887	R-NT2RP2003445	7960
	NT2RP2003446	F-NT2RP2003446	2888	R-NT2RP2003446	7961
	NT2RP2003456	F-NT2RP2003456	2889	R-NT2RP2003456	7962
	NT2RP2003466	F-NT2RP2003466	2890		
	NT2RP2003480	F-NT2RP2003480	2891	R-NT2RP2003480	7963
30	NT2RP2003499	F-NT2RP2003499	2892	R-NT2RP2003499	7964
	NT2RP2003506	F-NT2RP2003506	2893	R-NT2RP2003506	7965
	NT2RP2003511	F-NT2RP2003511	2894	R-NT2RP2003511	7966
	NT2RP2003513	F-NT2RP2003513	2895	R-NT2RP2003513	7967
35	NT2RP2003517	F-NT2RP2003517	2896	R-NT2RP2003517	7968
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	NT2RP2003533	F-NT2RP2003533	2898	R-NT2RP2003533	7970
	NT2RP2003543	F-NT2RP2003543	2899	R-NT2RP2003543	7971
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	NT2RP2003564	F-NT2RP2003564	2901	R-NT2RP2003564	7973
	NT2RP2003567	F-NT2RP2003567	2902		
	NT2RP2003581	F-NT2RP2003581	2903	R-NT2RP2003581	7974
	NT2RP2003596	F-NT2RP2003596	2904	R-NT2RP2003596	7975
45	NT2RP2003604	F-NT2RP2003604	2905	R-NT2RP2003604	7976
	NT2RP2003629	F-NT2RP2003629	2906	R-NT2RP2003629	7977
	NT2RP2003643	F-NT2RP2003643	2907	R-NT2RP2003643	7978
	NT2RP2003668	F-NT2RP2003668	2908	R-NT2RP2003668	7979
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	NT2RP2003691	F-NT2RP2003691	2910	R-NT2RP2003691	7981
	NT2RP2003702	F-NT2RP2003702	2911	R-NT2RP2003702	7982
	NT2RP2003704	F-NT2RP2003704	2912	R-NT2RP2003704	7983
55	NT2RP2003706	F-NT2RP2003706	2913	R-NT2RP2003706	7984

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	NT2RP2003760	F-NT2RP2003760	2919	R-NT2RP2003760	7990
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	NT2RP2003857	F-NT2RP2003857	2928	R-NT2RP2003857	7998
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25	NT2RP2003952	F-NT2RP2003952	2933	R-NT2RP2003952	8003
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	NT2RP2004066	F-NT2RP2004066	2944	R-ntntntntntntntntntntnt	8013
	NT2RP2004081	F-NT2RP2004081	2945	R-NT2RP2004081	8014
40	NT2RP2004098	F-NT2RP2004098	2946	R-NT2RP2004098	8015
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	NT2RP2004152	F-NT2RP2004152	2949	R-NT2RP2004152	8018
45	NT2RP2004165	F-NT2RP2004165	2950	R-NT2RP2004165	8019
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	NT2RP2004187	F-NT2RP2004187	2953	R-NT2RP2004187	8022
	NT2RP2004194	F-NT2RP2004194	2954	R-NT2RP2004194	8023
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	NT2RP2004226	F-NT2RP2004226	2957	R-NT2RP2004226	8026
	NT2RP2004232	F-NT2RP2004232	2958	R-NT2RP2004232	8027
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5	NT2RP2004270	F-NT2RP2004270	2963	R-NT2RP2004270	8032
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	NT2RP2004392	F-NT2RP2004392	2974	R-NT2RP2004392	8043
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	NT2RP2004600	F-NT2RP2004600	2991	R-NT2RP2004600	8059
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	NT2RP2004664	F-NT2RP2004664	2995	R-NT2RP2004664	8063
	NT2RP2004675	F-NT2RP2004675	2996	R-NT2RP2004675	8064
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	NT2RP2004710	F-NT2RP2004710	3000	R-NT2RP2004710	8068
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5	NT2RP2004816	F-NT2RP2004816	3009	R-NT2RP2004816	8076
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10	NT2RP2004933	F-NT2RP2004933	3013		
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	NT2RP2004959	F-NT2RP2004959	3015	R-ntntntntntntntntntnt	8081
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	NT2RP2005003	F-NT2RP2005003	3025	R-NT2RP2005003	8091
25	NT2RP2005012	F-NT2RP2005012	3026	R-ntntntntntntntntntnt	8092
	NT2RP2005018	F-NT2RP2005018	3027	R-NT2RP2005018	8093
	NT2RP2005020	F-NT2RP2005020	3028	R-NT2RP2005020	8094
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	NT2RP2005038	F-NT2RP2005038	3032	R-NT2RP2005038	8097
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35	NT2RP2005116	F-NT2RP2005116	3034	R-NT2RP2005116	8099
	NT2RP2005126	F-NT2RP2005126	3035	R-NT2RP2005126	8100
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40	NT2RP2005144	F-NT2RP2005144	3038	R-NT2RP2005144	8103
	NT2RP2005147	F-NT2RP2005147	3039	R-NT2RP2005147	8104
	NT2RP2005159	F-NT2RP2005159	3040	R-NT2RP2005159	8105
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	NT2RP2005168	F-NT2RP2005168	3042	R-NT2RP2005168	8107
45	NT2RP2005204	F-NT2RP2005204	3043	R-NT2RP2005204	8108
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	NT2RP2005239	F-NT2RP2005239	3045	R-NT2RP2005239	8110
	NT2RP2005254	F-NT2RP2005254	3046	R-NT2RP2005254	8111
50	NT2RP2005270	F-NT2RP2005270	3047	R-NT2RP2005270	8112
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55	NT2RP2005289	F-NT2RP2005289	3051	R-NT2RP2005289	8116

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5	NT2RP2005336	F-NT2RP2005336	3055	R-NT2RP2005336	8120
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	NT2RP2005358	F-NT2RP2005358	3058		
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	NT2RP2005436	F-NT2RP2005436	3062	R-NT2RP2005436	8126
15	NT2RP2005441	F-NT2RP2005441	3063	R-NT2RP2005441	8127
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	NT2RP2005457	F-NT2RP2005457	3065	R-NT2RP2005457	8129
	NT2RP2005464	F-NT2RP2005464	3066	R-NT2RP2005464	8130
20	NT2RP2005465	F-NT2RP2005465	3067	R-NT2RP2005465	8131
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	NT2RP2005531	F-NT2RP2005531	3079	R-NT2RP2005531	8143
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40	NT2RP2005557	F-NT2RP2005557	3084	R-NT2RP2005557	8148
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	NT2RP2005605	F-NT2RP2005605	3087	R-NT2RP2005605	8151
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45	NT2RP2005622	F-NT2RP2005622	3089	R-NT2RP2005622	8153
	NT2RP2005635	F-NT2RP2005635	3090		
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	NT2RP2005654	F-NT2RP2005654	3095	R-NT2RP2005654	8158
	NT2RP2005669	F-NT2RP2005669	3096	R-NT2RP2005669	8159
55	NT2RP2005675	F-NT2RP2005675	3097	R-NT2RP2005675	8160

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	NT2RP2005732	F-NT2RP2005732	3107		
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25	NT2RP2005804	F-NT2RP2005804	3118	R-NT2RP2005804	8180
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	NT2RP2005853	F-NT2RP2005853	3123	R-NT2RP2005853	8185
	NT2RP2005857	F-NT2RP2005857	3124	R-NT2RP2005857	8186
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	NT2RP4000109	F-NT2RP4000109	3630	R-NT2RP4000109	8663
	NT2RP4000111	F-NT2RP4000111	3631		
35	NT2RP4000129	F-NT2RP4000129	3632	R-NT2RP4000129	8664
	NT2RP4000147	F-NT2RP4000147	3633	R-NT2RP4000147	8665
	NT2RP4000150	F-NT2RP4000150	3634	R-NT2RP4000150	8666
	NT2RP4000151	F-NT2RP4000151	3635	R-NT2RP4000151	8667
40	NT2RP4000159	F-NT2RP4000159	3636	R-NT2RP4000159	8668
	NT2RP4000167	F-NT2RP4000167	3637	R-NT2RP4000167	8669
	NT2RP4000185	F-NT2RP4000185	3638	R-NT2RP4000185	8670
	NT2RP4000210	F-NT2RP4000210	3639	R-NT2RP4000210	8671
45	NT2RP4000212	F-NT2RP4000212	3640	R-NT2RP4000212	8672
	NT2RP4000214	F-NT2RP4000214	3641	R-NT2RP4000214	8673
	NT2RP4000218	F-NT2RP4000218	3642	R-NT2RP4000218	8674
	NT2RP4000243	F-NT2RP4000243	3643	R-NT2RP4000243	8675
	NT2RP4000246	F-NT2RP4000246	3644	R-NT2RP4000246	8676
50	NT2RP4000259	F-NT2RP4000259	3645	R-NT2RP4000259	8677
	NT2RP4000263	F-NT2RP4000263	3646	R-NT2RP4000263	8678
	NT2RP4000290	F-NT2RP4000290	3647	R-ntntntntntntntntntntnt	8679
	NT2RP4000312	F-NT2RP4000312	3648	R-NT2RP4000312	8680
55	NT2RP4000321	F-NT2RP4000321	3649	R-NT2RP4000321	8681

	NT2RP4000323	F-NT2RP4000323	3650	R-NT2RP4000323	8682
	NT2RP4000355	F-NT2RP4000355	3651	R-NT2RP4000355	8683
	NT2RP4000360	F-NT2RP4000360	3652	R-NT2RP4000360	8684
5	NT2RP4000367	F-NT2RP4000367	3653	R-NT2RP4000367	8685
	NT2RP4000370	F-NT2RP4000370	3654	R-NT2RP4000370	8686
	NT2RP4000376	F-NT2RP4000376	3655	R-NT2RP4000376	8687
	NT2RP4000381	F-NT2RP4000381	3656	R-NT2RP4000381	8688
10	NT2RP4000398	F-NT2RP4000398	3657		
	NT2RP4000415	F-NT2RP4000415	3658	R-NT2RP4000415	8689
	NT2RP4000417	F-NT2RP4000417	3659	R-NT2RP4000417	8690
	NT2RP4000424	F-NT2RP4000424	3660	R-NT2RP4000424	8691
15	NT2RP4000448	F-NT2RP4000448	3661	R-NT2RP4000448	8692
	NT2RP4000449	F-NT2RP4000449	3662	R-NT2RP4000449	8693
	NT2RP4000455	F-NT2RP4000455	3663	R-NT2RP4000455	8694
	NT2RP4000457	F-NT2RP4000457	3664	R-ntntntntntntntntntntnt	8695
20	NT2RP4000480	F-NT2RP4000480	3665	R-NT2RP4000480	8696
	NT2RP4000481	F-NT2RP4000481	3666	R-ntntntntntntntntntntnt	8697
	NT2RP4000498	F-NT2RP4000498	3667		
	NT2RP4000500	F-NT2RP4000500	3668	R-NT2RP4000500	8698
	NT2RP4000515	F-NT2RP4000515	3669	R-NT2RP4000515	8699
25	NT2RP4000517	F-NT2RP4000517	3670	R-NT2RP4000517	8700
	NT2RP4000518	F-NT2RP4000518	3671	R-NT2RP4000518	8701
	NT2RP4000519	F-NT2RP4000519	3672	R-NT2RP4000519	8702
	NT2RP4000524	F-NT2RP4000524	3673	R-NT2RP4000524	8703
30	NT2RP4000528	F-NT2RP4000528	3674	R-NT2RP4000528	8704
	NT2RP4000541	F-NT2RP4000541	3675	R-NT2RP4000541	8705
	NT2RP4000556	F-NT2RP4000556	3676	R-NT2RP4000556	8706
	NT2RP4000560	F-NT2RP4000560	3677		
35	NT2RP4000588	F-NT2RP4000588	3678	R-NT2RP4000588	8707
	NT2RP4000614	F-NT2RP4000614	3679	R-NT2RP4000614	8708
	NT2RP4000638	F-NT2RP4000638	3680	R-NT2RP4000638	8709
	NT2RP4000648	F-NT2RP4000648	3681	R-NT2RP4000648	8710
40	NT2RP4000657	F-NT2RP4000657	3682	R-NT2RP4000657	8711
	NT2RP4000704	F-NT2RP4000704	3683	R-NT2RP4000704	8712
	NT2RP4000713	F-NT2RP4000713	3684		
	NT2RP4000724	F-NT2RP4000724	3685	R-NT2RP4000724	8713
	NT2RP4000728	F-NT2RP4000728	3686	R-NT2RP4000728	8714
45	NT2RP4000737	F-NT2RP4000737	3687		
	NT2RP4000739	F-NT2RP4000739	3688	R-NT2RP4000739	8715
	NT2RP4000781	F-NT2RP4000781	3689	R-NT2RP4000781	8716
	NT2RP4000787	F-NT2RP4000787	3690		
50	NT2RP4000817	F-NT2RP4000817	3691	R-NT2RP4000817	8717
	NT2RP4000833	F-NT2RP4000833	3692	R-NT2RP4000833	8718
	NT2RP4000837	F-NT2RP4000837	3693	R-NT2RP4000837	8719
	NT2RP4000839	F-NT2RP4000839	3694		
55	NT2RP4000855	F-NT2RP4000855	3695	R-NT2RP4000855	8720

	NT2RP4000865	F-NT2RP4000865	3696	R-NT2RP4000865	8721
	NT2RP4000878	F-NT2RP4000878	3697	R-NT2RP4000878	8722
5	NT2RP4000879	F-NT2RP4000879	3698	R-NT2RP4000879	8723
	NT2RP4000907	F-NT2RP4000907	3699	R-nnnnnnnnnnnnn	8724
	NT2RP4000915	F-NT2RP4000915	3700	R-nnnnnnnnnnnnn	8725
	NT2RP4000918	F-NT2RP4000918	3701		
	NT2RP4000925	F-NT2RP4000925	3702	R-NT2RP4000925	8726
10	NT2RP4000927	F-NT2RP4000927	3703	R-nnnnnnnnnnnnn	8727
	NT2RP4000928	F-NT2RP4000928	3704	R-NT2RP4000928	8728
	NT2RP4000929	F-NT2RP4000929	3705	R-NT2RP4000929	8729
	NT2RP4000955	F-NT2RP4000955	3706	R-NT2RP4000955	8730
15	NT2RP4000973	F-NT2RP4000973	3707	R-NT2RP4000973	8731
	NT2RP4000975	F-NT2RP4000975	3708	R-NT2RP4000975	8732
	NT2RP4000979	F-NT2RP4000979	3709	R-NT2RP4000979	8733
	NT2RP4000984	F-NT2RP4000984	3710	R-NT2RP4000984	8734
20	NT2RP4000989	F-NT2RP4000989	3711	R-NT2RP4000989	8735
	NT2RP4000996	F-NT2RP4000996	3712	R-NT2RP4000996	8736
	NT2RP4000997	F-NT2RP4000997	3713	R-NT2RP4000997	8737
	NT2RP4001004	F-NT2RP4001004	3714	R-NT2RP4001004	8738
25	NT2RP4001006	F-NT2RP4001006	3715	R-NT2RP4001006	8739
	NT2RP4001010	F-NT2RP4001010	3716	R-NT2RP4001010	8740
	NT2RP4001029	F-NT2RP4001029	3717	R-NT2RP4001029	8741
	NT2RP4001041	F-NT2RP4001041	3718	R-NT2RP4001041	8742
	NT2RP4001057	F-NT2RP4001057	3719	R-NT2RP4001057	8743
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	NT2RP4001078	F-NT2RP4001078	3721	R-NT2RP4001078	8745
	NT2RP4001079	F-NT2RP4001079	3722	R-NT2RP4001079	8746
	NT2RP4001080	F-NT2RP4001080	3723	R-NT2RP4001080	8747
35	NT2RP4001086	F-NT2RP4001086	3724	R-nnnnnnnnnnnnn	8748
	NT2RP4001095	F-NT2RP4001095	3725	R-NT2RP4001095	8749
	NT2RP4001100	F-NT2RP4001100	3726	R-NT2RP4001100	8750
	NT2RP4001117	F-NT2RP4001117	3727	R-NT2RP4001117	8751
40	NT2RP4001122	F-NT2RP4001122	3728	R-NT2RP4001122	8752
	NT2RP4001126	F-NT2RP4001126	3729	R-NT2RP4001126	8753
	NT2RP4001138	F-NT2RP4001138	3730	R-NT2RP4001138	8754
	NT2RP4001143	F-NT2RP4001143	3731	R-NT2RP4001143	8755
45	NT2RP4001148	F-NT2RP4001148	3732	R-NT2RP4001148	8756
	NT2RP4001149	F-NT2RP4001149	3733	R-NT2RP4001149	8757
	NT2RP4001150	F-NT2RP4001150	3734	R-NT2RP4001150	8758
	NT2RP4001159	F-NT2RP4001159	3735	R-NT2RP4001159	8759
	NT2RP4001174	F-NT2RP4001174	3736	R-NT2RP4001174	8760
50	NT2RP4001206	F-NT2RP4001206	3737	R-nnnnnnnnnnnnn	8761
	NT2RP4001207	F-NT2RP4001207	3738	R-NT2RP4001207	8762
	NT2RP4001210	F-NT2RP4001210	3739	R-NT2RP4001210	8763
	NT2RP4001213	F-NT2RP4001213	3740	R-NT2RP4001213	8764
55	NT2RP4001219	F-NT2RP4001219	3741	R-NT2RP4001219	8765

	NT2RP4001228	F-NT2RP4001228	3742	R-NT2RP4001228	8766
	NT2RP4001235	F-NT2RP4001235	3743	R-NT2RP4001235	8767
	NT2RP4001256	F-NT2RP4001256	3744	R-NT2RP4001256	8768
5	NT2RP4001260	F-NT2RP4001260	3745	R-NT2RP4001260	8769
	NT2RP4001274	F-NT2RP4001274	3746	R-NT2RP4001274	8770
	NT2RP4001276	F-NT2RP4001276	3747	R-nnnnnnnnnnnnn	8771
	NT2RP4001313	F-NT2RP4001313	3748	R-NT2RP4001313	8772
10	NT2RP4001315	F-NT2RP4001315	3749	R-NT2RP4001315	8773
	NT2RP4001336	F-NT2RP4001336	3750		
	NT2RP4001339	F-NT2RP4001339	3751	R-NT2RP4001339	8774
	NT2RP4001343	F-NT2RP4001343	3752		
15	NT2RP4001345	F-NT2RP4001345	3753	R-NT2RP4001345	8775
	NT2RP4001351	F-NT2RP4001351	3754	R-NT2RP4001351	8776
	NT2RP4001353	F-NT2RP4001353	3755	R-NT2RP4001353	8777
	NT2RP4001372	F-NT2RP4001372	3756	R-NT2RP4001372	8778
20	NT2RP4001373	F-NT2RP4001373	3757	R-NT2RP4001373	8779
	NT2RP4001375	F-NT2RP4001375	3758	R-NT2RP4001375	8780
	NT2RP4001379	F-NT2RP4001379	3759	R-NT2RP4001379	8781
	NT2RP4001389	F-NT2RP4001389	3760	R-NT2RP4001389	8782
	NT2RP4001407	F-NT2RP4001407	3761	R-NT2RP4001407	8783
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	NT2RP4001442	F-NT2RP4001442	3764	R-NT2RP4001442	8786
	NT2RP4001447	F-NT2RP4001447	3765	R-NT2RP4001447	8787
30	NT2RP4001474	F-NT2RP4001474	3766	R-NT2RP4001474	8788
	NT2RP4001483	F-NT2RP4001483	3767	R-NT2RP4001483	8789
	NT2RP4001498	F-NT2RP4001498	3768	R-NT2RP4001498	8790
	NT2RP4001502	F-NT2RP4001502	3769	R-NT2RP4001502	8791
35	NT2RP4001507	F-NT2RP4001507	3770	R-NT2RP4001507	8792
	NT2RP4001524	F-NT2RP4001524	3771	R-NT2RP4001524	8793
	NT2RP4001529	F-NT2RP4001529	3772	R-NT2RP4001529	8794
	NT2RP4001547	F-NT2RP4001547	3773	R-NT2RP4001547	8795
40	NT2RP4001551	F-NT2RP4001551	3774	R-nnnnnnnnnnnnn	8796
	NT2RP4001555	F-NT2RP4001555	3775	R-NT2RP4001555	8797
	NT2RP4001567	F-NT2RP4001567	3776	R-NT2RP4001567	8798
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45	NT2RP4001571	F-NT2RP4001571	3778	R-NT2RP4001571	8800
	NT2RP4001574	F-NT2RP4001574	3779	R-NT2RP4001574	8801
	NT2RP4001575	F-NT2RP4001575	3780	R-NT2RP4001575	8802
	NT2RP4001592	F-NT2RP4001592	3781	R-NT2RP4001592	8803
	NT2RP4001610	F-NT2RP4001610	3782	R-NT2RP4001610	8804
50	NT2RP4001614	F-NT2RP4001614	3783	R-NT2RP4001614	8805
	NT2RP4001634	F-NT2RP4001634	3784	R-NT2RP4001634	8806
	NT2RP4001638	F-NT2RP4001638	3785	R-NT2RP4001638	8807
	NT2RP4001644	F-NT2RP4001644	3786	R-NT2RP4001644	8808
55	NT2RP4001656	F-NT2RP4001656	3787	R-NT2RP4001656	8809

	NT2RP4001677	F-NT2RP4001677	3788	R-NT2RP4001677	8810
	NT2RP4001679	F-NT2RP4001679	3789		
	NT2RP4001696	F-NT2RP4001696	3790	R-NT2RP4001696	8811
5	NT2RP4001725	F-NT2RP4001725	3791	R-NT2RP4001725	8812
	NT2RP4001730	F-NT2RP4001730	3792	R-ntntntntntntntntntnt	8813
	NT2RP4001739	F-NT2RP4001739	3793	R-NT2RP4001739	8814
	NT2RP4001753	F-NT2RP4001753	3794	R-NT2RP4001753	8815
10	NT2RP4001760	F-NT2RP4001760	3795	R-NT2RP4001760	8816
	NT2RP4001790	F-NT2RP4001790	3796	R-NT2RP4001790	8817
	NT2RP4001803	F-NT2RP4001803	3797	R-NT2RP4001803	8818
	NT2RP4001822	F-NT2RP4001822	3798	R-NT2RP4001822	8819
15	NT2RP4001823	F-NT2RP4001823	3799	R-NT2RP4001823	8820
	NT2RP4001828	F-NT2RP4001828	3800	R-NT2RP4001828	8821
	NT2RP4001838	F-NT2RP4001838	3801	R-NT2RP4001838	8822
	NT2RP4001841	F-NT2RP4001841	3802		
20	NT2RP4001849	F-NT2RP4001849	3803	R-NT2RP4001849	8823
	NT2RP4001861	F-NT2RP4001861	3804		
	NT2RP4001889	F-NT2RP4001889	3805	R-NT2RP4001889	8824
	NT2RP4001893	F-NT2RP4001893	3806	R-NT2RP4001893	8825
	NT2RP4001896	F-NT2RP4001896	3807	R-NT2RP4001896	8826
25	NT2RP4001901	F-NT2RP4001901	3808	R-NT2RP4001901	8827
	NT2RP4001927	F-NT2RP4001927	3809	R-NT2RP4001927	8828
	NT2RP4001938	F-NT2RP4001938	3810	R-NT2RP4001938	8829
	NT2RP4001946	F-NT2RP4001946	3811	R-NT2RP4001946	8830
30	NT2RP4001950	F-NT2RP4001950	3812	R-NT2RP4001950	8831
	NT2RP4001953	F-NT2RP4001953	3813	R-NT2RP4001953	8832
	NT2RP4001966	F-NT2RP4001966	3814	R-NT2RP4001966	8833
	NT2RP4001975	F-NT2RP4001975	3815	R-NT2RP4001975	8834
35	NT2RP4002018	F-NT2RP4002018	3816	R-NT2RP4002018	8835
	NT2RP4002047	F-NT2RP4002047	3817	R-NT2RP4002047	8836
	NT2RP4002052	F-NT2RP4002052	3818	R-NT2RP4002052	8837
	NT2RP4002058	F-NT2RP4002058	3819	R-NT2RP4002058	8838
40	NT2RP4002071	F-NT2RP4002071	3820	R-NT2RP4002071	8839
	NT2RP4002075	F-NT2RP4002075	3821	R-NT2RP4002075	8840
	NT2RP4002078	F-NT2RP4002078	3822	R-NT2RP4002078	8841
	NT2RP4002081	F-NT2RP4002081	3823	R-ntntntntntntntntntnt	8842
	NT2RP4002083	F-NT2RP4002083	3824	R-NT2RP4002083	8843
45	NT2RP4002408	F-NT2RP4002408	3825	R-NT2RP4002408	8844
	NT2RP4002791	F-NT2RP4002791	3826	R-NT2RP4002791	8845
	NT2RP4002888	F-NT2RP4002888	3827	R-NT2RP4002888	8846
	NT2RP4002905	F-NT2RP4002905	3828	R-NT2RP4002905	8847
50	NT2RP5003459	F-NT2RP5003459	3829		
	NT2RP5003461	F-NT2RP5003461	3830		
	NT2RP5003477	F-NT2RP5003477	3831		
	NT2RP5003492	F-NT2RP5003492	3832		
55	NT2RP5003500	F-NT2RP5003500	3833		

	NT2RP5003506	F-NT2RP5003506	3834		
	NT2RP5003512	F-NT2RP5003512	3835		
	NT2RP5003522	F-NT2RP5003522	3836		
5	NT2RP5003524	F-NT2RP5003524	3837		
	NT2RP5003534	F-NT2RP5003534	3838		
	OVARC1000001	F-OVARC1000001	3839	R-OVARC1000001	8848
	OVARC1000004	F-OVARC1000004	3840	R-OVARC1000004	8849
10	OVARC1000006	F-OVARC1000006	3841	R-OVARC1000006	8850
	OVARC1000013	F-OVARC1000013	3842	R-OVARC1000013	8851
	OVARC1000014	F-OVARC1000014	3843	R-OVARC1000014	8852
	OVARC1000017	F-OVARC1000017	3844	R-OVARC1000017	8853
15	OVARC1000035	F-OVARC1000035	3845	R-OVARC1000035	8854
	OVARC1000058	F-OVARC1000058	3846	R-OVARC1000058	8855
	OVARC1000060	F-OVARC1000060	3847	R-OVARC1000060	8856
	OVARC1000068	F-OVARC1000068	3848	R-OVARC1000068	8857
20	OVARC1000071	F-OVARC1000071	3849	R-OVARC1000071	8858
	OVARC1000085	F-OVARC1000085	3850	R-OVARC1000085	8859
	OVARC1000087	F-OVARC1000087	3851	R-nnnnnnnnnnnnn	8860
	OVARC1000091	F-OVARC1000091	3852	R-OVARC1000091	8861
	OVARC1000092	F-OVARC1000092	3853	R-OVARC1000092	8862
25	OVARC1000106	F-OVARC1000106	3854	R-OVARC1000106	8863
	OVARC1000109	F-OVARC1000109	3855		
	OVARC1000113	F-OVARC1000113	3856	R-OVARC1000113	8864
	OVARC1000114	F-OVARC1000114	3857	R-OVARC1000114	8865
30	OVARC1000133	F-OVARC1000133	3858	R-OVARC1000133	8866
	OVARC1000139	F-OVARC1000139	3859		
	OVARC1000145	F-OVARC1000145	3860	R-OVARC1000145	8867
	OVARC1000148	F-OVARC1000148	3861	R-OVARC1000148	8868
35	OVARC1000151	F-OVARC1000151	3862	R-OVARC1000151	8869
	OVARC1000168	F-OVARC1000168	3863	R-OVARC1000168	8870
	OVARC1000191	F-OVARC1000191	3864	R-OVARC1000191	8871
	OVARC1000198	F-OVARC1000198	3865	R-OVARC1000198	8872
40	OVARC1000209	F-OVARC1000209	3866	R-OVARC1000209	8873
	OVARC1000212	F-OVARC1000212	3867	R-OVARC1000212	8874
	OVARC1000240	F-OVARC1000240	3868	R-OVARC1000240	8875
	OVARC1000241	F-OVARC1000241	3869	R-OVARC1000241	8876
	OVARC1000288	F-OVARC1000288	3870	R-OVARC1000288	8877
45	OVARC1000302	F-OVARC1000302	3871	R-OVARC1000302	8878
	OVARC1000304	F-OVARC1000304	3872	R-OVARC1000304	8879
	OVARC1000309	F-OVARC1000309	3873	R-OVARC1000309	8880
	OVARC1000321	F-OVARC1000321	3874	R-OVARC1000321	8881
50	OVARC1000326	F-OVARC1000326	3875	R-OVARC1000326	8882
	OVARC1000335	F-OVARC1000335	3876	R-OVARC1000335	8883
	OVARC1000347	F-OVARC1000347	3877	R-OVARC1000347	8884
	OVARC1000384	F-OVARC1000384	3878	R-OVARC1000384	8885
55	OVARC1000408	F-OVARC1000408	3879	R-OVARC1000408	8886

	OVARC1000411	F-OVARC1000411	3880	R-OVARC1000411	8887
	OVARC1000414	F-OVARC1000414	3881	R-OVARC1000414	8888
	OVARC1000420	F-OVARC1000420	3882	R-OVARC1000420	8889
5	OVARC1000427	F-OVARC1000427	3883	R-OVARC1000427	8890
	OVARC1000431	F-OVARC1000431	3884	R-OVARC1000431	8891
	OVARC1000437	F-OVARC1000437	3885	R-OVARC1000437	8892
	OVARC1000440	F-OVARC1000440	3886	R-OVARC1000440	8893
10	OVARC1000442	F-OVARC1000442	3887	R-OVARC1000442	8894
	OVARC1000443	F-OVARC1000443	3888	R-OVARC1000443	8895
	OVARC1000461	F-OVARC1000461	3889	R-OVARC1000461	8896
	OVARC1000465	F-OVARC1000465	3890	R-OVARC1000465	8897
15	OVARC1000466	F-OVARC1000466	3891	R-OVARC1000466	8898
	OVARC1000473	F-OVARC1000473	3892	R-OVARC1000473	8899
	OVARC1000479	F-OVARC1000479	3893	R-OVARC1000479	8900
	OVARC1000486	F-OVARC1000486	3894	R-OVARC1000486	8901
20	OVARC1000496	F-OVARC1000496	3895	R-OVARC1000496	8902
	OVARC1000520	F-OVARC1000520	3896	R-OVARC1000520	8903
	OVARC1000526	F-OVARC1000526	3897	R-OVARC1000526	8904
	OVARC1000533	F-OVARC1000533	3898	R-OVARC1000533	8905
25	OVARC1000543	F-OVARC1000543	3899	R-OVARC1000543	8906
	OVARC1000556	F-OVARC1000556	3900	R-OVARC1000556	8907
	OVARC1000557	F-OVARC1000557	3901	R-OVARC1000557	8908
	OVARC1000564	F-OVARC1000564	3902	R-OVARC1000564	8909
30	OVARC1000573	F-OVARC1000573	3903	R-OVARC1000573	8910
	OVARC1000576	F-OVARC1000576	3904		
	OVARC1000578	F-OVARC1000578	3905	R-OVARC1000578	8911
	OVARC1000588	F-OVARC1000588	3906	R-OVARC1000588	8912
	OVARC1000605	F-OVARC1000605	3907	R-OVARC1000605	8913
35	OVARC1000622	F-OVARC1000622	3908	R-OVARC1000622	8914
	OVARC1000640	F-OVARC1000640	3909	R-OVARC1000640	8915
	OVARC1000649	F-OVARC1000649	3910		
	OVARC1000661	F-OVARC1000661	3911	R-OVARC1000661	8916
40	OVARC1000678	F-OVARC1000678	3912	R-OVARC1000678	8917
	OVARC1000679	F-OVARC1000679	3913	R-tnnnnnnnnnnnnn	8918
	OVARC1000681	F-OVARC1000681	3914	R-OVARC1000681	8919
	OVARC1000682	F-OVARC1000682	3915		
45	OVARC1000689	F-OVARC1000689	3916	R-OVARC1000689	8920
	OVARC1000700	F-OVARC1000700	3917	R-OVARC1000700	8921
	OVARC1000703	F-OVARC1000703	3918	R-OVARC1000703	8922
	OVARC1000722	F-OVARC1000722	3919		
	OVARC1000730	F-OVARC1000730	3920	R-OVARC1000730	8923
50	OVARC1000746	F-OVARC1000746	3921	R-OVARC1000746	8924
	OVARC1000769	F-OVARC1000769	3922	R-OVARC1000769	8925
	OVARC1000771	F-OVARC1000771	3923	R-OVARC1000771	8926
	OVARC1000781	F-OVARC1000781	3924	R-OVARC1000781	8927
55	OVARC1000787	F-OVARC1000787	3925	R-OVARC1000787	8928

	OVARC1000800	F-OVARC1000800	3926	R-OVARC1000800	8929
	OVARC1000802	F-OVARC1000802	3927	R-OVARC1000802	8930
	OVARC1000834	F-OVARC1000834	3928	R-OVARC1000834	8931
5	OVARC1000846	F-OVARC1000846	3929	R-OVARC1000846	8932
	OVARC1000850	F-OVARC1000850	3930	R-OVARC1000850	8933
	OVARC1000862	F-OVARC1000862	3931	R-OVARC1000862	8934
	OVARC1000876	F-OVARC1000876	3932	R-OVARC1000876	8935
10	OVARC1000883	F-OVARC1000883	3933	R-OVARC1000883	8936
	OVARC1000885	F-OVARC1000885	3934	R-OVARC1000885	8937
	OVARC1000886	F-OVARC1000886	3935	R-OVARC1000886	8938
	OVARC1000890	F-OVARC1000890	3936		
15	OVARC1000891	F-OVARC1000891	3937	R-OVARC1000891	8939
	OVARC1000897	F-OVARC1000897	3938	R-OVARC1000897	8940
	OVARC1000912	F-OVARC1000912	3939	R-OVARC1000912	8941
	OVARC1000915	F-OVARC1000915	3940	R-OVARC1000915	8942
20	OVARC1000924	F-OVARC1000924	3941	R-OVARC1000924	8943
	OVARC1000936	F-OVARC1000936	3942	R-OVARC1000936	8944
	OVARC1000937	F-OVARC1000937	3943	R-OVARC1000937	8945
	OVARC1000945	F-OVARC1000945	3944	R-OVARC1000945	8946
	OVARC1000948	F-OVARC1000948	3945	R-OVARC1000948	8947
25	OVARC1000959	F-OVARC1000959	3946	R-OVARC1000959	8948
	OVARC1000960	F-OVARC1000960	3947	R-OVARC1000960	8949
	OVARC1000964	F-OVARC1000964	3948		
	OVARC1000971	F-OVARC1000971	3949	R-OVARC1000971	8950
30	OVARC1000984	F-OVARC1000984	3950	R-OVARC1000984	8951
	OVARC1000996	F-OVARC1000996	3951	R-OVARC1000996	8952
	OVARC1000999	F-OVARC1000999	3952	R-OVARC1000999	8953
	OVARC1001000	F-OVARC1001000	3953	R-OVARC1001000	8954
35	OVARC1001004	F-OVARC1001004	3954	R-OVARC1001004	8955
	OVARC1001010	F-OVARC1001010	3955	R-OVARC1001010	8956
	OVARC1001011	F-OVARC1001011	3956	R-OVARC1001011	8957
	OVARC1001032	F-OVARC1001032	3957	R-OVARC1001032	8958
40	OVARC1001034	F-OVARC1001034	3958	R-OVARC1001034	8959
	OVARC1001038	F-OVARC1001038	3959	R-OVARC1001038	8960
	OVARC1001040	F-OVARC1001040	3960	R-OVARC1001040	8961
	OVARC1001044	F-OVARC1001044	3961	R-OVARC1001044	8962
	OVARC1001051	F-OVARC1001051	3962	R-OVARC1001051	8963
45	OVARC1001055	F-OVARC1001055	3963	R-OVARC1001055	8964
	OVARC1001062	F-OVARC1001062	3964	R-OVARC1001062	8965
	OVARC1001065	F-OVARC1001065	3965		
	OVARC1001068	F-OVARC1001068	3966	R-OVARC1001068	8966
50	OVARC1001072	F-OVARC1001072	3967	R-OVARC1001072	8967
	OVARC1001074	F-OVARC1001074	3968	R-OVARC1001074	8968
	OVARC1001085	F-OVARC1001085	3969	R-OVARC1001085	8969
	OVARC1001092	F-OVARC1001092	3970	R-OVARC1001092	8970
55	OVARC1001107	F-OVARC1001107	3971		

	OVARC1001113	F-OVARC1001113	3972	R-OVARC1001113	8971
	OVARC1001117	F-OVARC1001117	3973	R-OVARC1001117	8972
	OVARC1001118	F-OVARC1001118	3974	R-OVARC1001118	8973
5	OVARC1001129	F-OVARC1001129	3975	R-OVARC1001129	8974
	OVARC1001154	F-OVARC1001154	3976		
	OVARC1001161	F-OVARC1001161	3977	R-OVARC1001161	8975
	OVARC1001162	F-OVARC1001162	3978	R-OVARC1001162	8976
10	OVARC1001167	F-OVARC1001167	3979	R-OVARC1001167	8977
	OVARC1001169	F-OVARC1001169	3980	R-OVARC1001169	8978
	OVARC1001170	F-OVARC1001170	3981	R-OVARC1001170	8979
	OVARC1001171	F-OVARC1001171	3982		
15	OVARC1001173	F-OVARC1001173	3983	R-OVARC1001173	8980
	OVARC1001176	F-OVARC1001176	3984		
	OVARC1001180	F-OVARC1001180	3985	R-OVARC1001180	8981
	OVARC1001188	F-OVARC1001188	3986	R-OVARC1001188	8982
20	OVARC1001200	F-OVARC1001200	3987	R-OVARC1001200	8983
	OVARC1001232	F-OVARC1001232	3988	R-OVARC1001232	8984
	OVARC1001240	F-OVARC1001240	3989	R-OVARC1001240	8985
	OVARC1001243	F-OVARC1001243	3990	R-OVARC1001243	8986
	OVARC1001244	F-OVARC1001244	3991		
25	OVARC1001261	F-OVARC1001261	3992	R-OVARC1001261	8987
	OVARC1001268	F-OVARC1001268	3993	R-OVARC1001268	8988
	OVARC1001270	F-OVARC1001270	3994	R-OVARC1001270	8989
	OVARC1001271	F-OVARC1001271	3995	R-OVARC1001271	8990
30	OVARC1001282	F-OVARC1001282	3996	R-OVARC1001282	8991
	OVARC1001296	F-OVARC1001296	3997	R-OVARC1001296	8992
	OVARC1001306	F-OVARC1001306	3998	R-nnnnnnnnnnnnn	8993
	OVARC1001329	F-OVARC1001329	3999	R-OVARC1001329	8994
35	OVARC1001330	F-OVARC1001330	4000	R-OVARC1001330	8995
	OVARC1001339	F-OVARC1001339	4001	R-OVARC1001339	8996
	OVARC1001341	F-OVARC1001341	4002	R-OVARC1001341	8997
	OVARC1001342	F-OVARC1001342	4003	R-OVARC1001342	8998
40	OVARC1001344	F-OVARC1001344	4004	R-OVARC1001344	8999
	OVARC1001357	F-OVARC1001357	4005	R-OVARC1001357	9000
	OVARC1001360	F-OVARC1001360	4006	R-OVARC1001360	9001
	OVARC1001369	F-OVARC1001369	4007	R-OVARC1001369	9002
	OVARC1001372	F-OVARC1001372	4008	R-OVARC1001372	9003
45	OVARC1001376	F-OVARC1001376	4009	R-OVARC1001376	9004
	OVARC1001381	F-OVARC1001381	4010	R-OVARC1001381	9005
	OVARC1001391	F-OVARC1001391	4011	R-OVARC1001391	9006
	OVARC1001399	F-OVARC1001399	4012	R-nnnnnnnnnnnnn	9007
50	OVARC1001417	F-OVARC1001417	4013	R-OVARC1001417	9008
	OVARC1001419	F-OVARC1001419	4014	R-OVARC1001419	9009
	OVARC1001425	F-OVARC1001425	4015	R-OVARC1001425	9010
	OVARC1001436	F-OVARC1001436	4016	R-OVARC1001436	9011
55	OVARC1001442	F-OVARC1001442	4017	R-OVARC1001442	9012

	OVARC1001453	F-OVARC1001453	4018	R-OVARC1001453	9013
	OVARC1001476	F-OVARC1001476	4019	R-OVARC1001476	9014
	OVARC1001480	F-OVARC1001480	4020	R-OVARC1001480	9015
5	OVARC1001489	F-OVARC1001489	4021	R-OVARC1001489	9016
	OVARC1001496	F-OVARC1001496	4022	R-OVARC1001496	9017
	OVARC1001506	F-OVARC1001506	4023	R-OVARC1001506	9018
	OVARC1001525	F-OVARC1001525	4024	R-OVARC1001525	9019
10	OVARC1001542	F-OVARC1001542	4025	R-OVARC1001542	9020
	OVARC1001547	F-OVARC1001547	4026	R-OVARC1001547	9021
	OVARC1001555	F-OVARC1001555	4027		
	OVARC1001577	F-OVARC1001577	4028	R-OVARC1001577	9022
15	OVARC1001600	F-OVARC1001600	4029	R-OVARC1001600	9023
	OVARC1001610	F-OVARC1001610	4030	R-OVARC1001610	9024
	OVARC1001611	F-OVARC1001611	4031	R-OVARC1001611	9025
	OVARC1001615	F-OVARC1001615	4032	R-OVARC1001615	9026
20	OVARC1001668	F-OVARC1001668	4033	R-OVARC1001668	9027
	OVARC1001702	F-OVARC1001702	4034	R-OVARC1001702	9028
	OVARC1001703	F-OVARC1001703	4035	R-OVARC1001703	9029
	OVARC1001711	F-OVARC1001711	4036	R-OVARC1001711	9030
	OVARC1001713	F-OVARC1001713	4037		
25	OVARC1001726	F-OVARC1001726	4038	R-OVARC1001726	9031
	OVARC1001731	F-OVARC1001731	4039	R-OVARC1001731	9032
	OVARC1001745	F-OVARC1001745	4040	R-OVARC1001745	9033
	OVARC1001762	F-OVARC1001762	4041	R-nnnnnnnnnnnnn	9034
30	OVARC1001766	F-OVARC1001766	4042	R-OVARC1001766	9035
	OVARC1001767	F-OVARC1001767	4043	R-nnnnnnnnnnnnn	9036
	OVARC1001768	F-OVARC1001768	4044	R-OVARC1001768	9037
	OVARC1001791	F-OVARC1001791	4045	R-OVARC1001791	9038
35	OVARC1001795	F-OVARC1001795	4046	R-OVARC1001795	9039
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	OVARC1001805	F-OVARC1001805	4048	R-OVARC1001805	9041
	OVARC1001809	F-OVARC1001809	4049		
40	OVARC1001812	F-OVARC1001812	4050	R-OVARC1001812	9042
	OVARC1001813	F-OVARC1001813	4051	R-OVARC1001813	9043
	OVARC1001820	F-OVARC1001820	4052	R-OVARC1001820	9044
	OVARC1001828	F-OVARC1001828	4053	R-OVARC1001828	9045
	OVARC1001846	F-OVARC1001846	4054	R-OVARC1001846	9046
45	OVARC1001861	F-OVARC1001861	4055	R-OVARC1001861	9047
	OVARC1001873	F-OVARC1001873	4056	R-OVARC1001873	9048
	OVARC1001879	F-OVARC1001879	4057	R-OVARC1001879	9049
	OVARC1001880	F-OVARC1001880	4058	R-OVARC1001880	9050
50	OVARC1001883	F-OVARC1001883	4059	R-OVARC1001883	9051
	OVARC1001900	F-OVARC1001900	4060	R-OVARC1001900	9052
	OVARC1001901	F-OVARC1001901	4061	R-OVARC1001901	9053
	OVARC1001911	F-OVARC1001911	4062	R-OVARC1001911	9054
55	OVARC1001916	F-OVARC1001916	4063	R-OVARC1001916	9055

	OVARC1001928	F-OVARC1001928	4064	R-OVARC1001928	9056
	OVARC1001942	F-OVARC1001942	4065	R-OVARC1001942	9057
	OVARC1001943	F-OVARC1001943	4066	R-OVARC1001943	9058
5	OVARC1001949	F-OVARC1001949	4067	R-OVARC1001949	9059
	OVARC1001950	F-OVARC1001950	4068	R-OVARC1001950	9060
	OVARC1001987	F-OVARC1001987	4069	R-OVARC1001987	9061
	OVARC1001989	F-OVARC1001989	4070	R-OVARC1001989	9062
10	OVARC1002044	F-OVARC1002044	4071	R-OVARC1002044	9063
	OVARC1002050	F-OVARC1002050	4072	R-OVARC1002050	9064
	OVARC1002066	F-OVARC1002066	4073	R-OVARC1002066	9065
	OVARC1002082	F-OVARC1002082	4074	R-OVARC1002082	9066
15	OVARC1002107	F-OVARC1002107	4075	R-OVARC1002107	9067
	OVARC1002112	F-OVARC1002112	4076		
	OVARC1002127	F-OVARC1002127	4077	R-OVARC1002127	9068
	OVARC1002138	F-OVARC1002138	4078	R-OVARC1002138	9069
20	OVARC1002143	F-OVARC1002143	4079	R-OVARC1002143	9070
	OVARC1002156	F-OVARC1002156	4080	R-OVARC1002156	9071
	OVARC1002158	F-OVARC1002158	4081	R-OVARC1002158	9072
	OVARC1002165	F-OVARC1002165	4082	R-OVARC1002165	9073
	OVARC1002182	F-OVARC1002182	4083	R-OVARC1002182	9074
25	PLACE1000004	F-PLACE1000004	4084	R-PLACE1000004	9075
	PLACE1000005	F-PLACE1000005	4085	R-PLACE1000005	9076
	PLACE1000007	F-PLACE1000007	4086	R-PLACE1000007	9077
	PLACE1000014	F-PLACE1000014	4087	R-PLACE1000014	9078
30	PLACE1000031	F-PLACE1000031	4088	R-PLACE1000031	9079
	PLACE1000040	F-PLACE1000040	4089	R-PLACE1000040	9080
	PLACE1000048	F-PLACE1000048	4090	R-PLACE1000048	9081
	PLACE1000050	F-PLACE1000050	4091	R-PLACE1000050	9082
35	PLACE1000061	F-PLACE1000061	4092	R-PLACE1000061	9083
	PLACE1000066	F-PLACE1000066	4093	R-PLACE1000066	9084
	PLACE1000078	F-PLACE1000078	4094	R-PLACE1000078	9085
	PLACE1000081	F-PLACE1000081	4095	R-PLACE1000081	9086
	PLACE1000094	F-PLACE1000094	4096	R-PLACE1000094	9087
40	PLACE1000133	F-PLACE1000133	4097	R-PLACE1000133	9088
	PLACE1000142	F-PLACE1000142	4098	R-PLACE1000142	9089
	PLACE1000184	F-PLACE1000184	4099	R-PLACE1000184	9090
	PLACE1000185	F-PLACE1000185	4100	R-PLACE1000185	9091
45	PLACE1000213	F-PLACE1000213	4101	R-PLACE1000213	9092
	PLACE1000214	F-PLACE1000214	4102	R-PLACE1000214	9093
	PLACE1000236	F-PLACE1000236	4103	R-PLACE1000236	9094
	PLACE1000246	F-PLACE1000246	4104	R-PLACE1000246	9095
50	PLACE1000292	F-PLACE1000292	4105	R-PLACE1000292	9096
	PLACE1000308	F-PLACE1000308	4106		
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	PLACE1000347	F-PLACE1000347	4108	R-PLACE1000347	9098
55	PLACE1000374	F-PLACE1000374	4109	R-PLACE1000374	9099

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	PLACE1000401	F-PLACE1000401	4112	R-PLACE1000401	9102
5	PLACE1000406	F-PLACE1000406	4113	R-PLACE1000406	9103
	PLACE1000420	F-PLACE1000420	4114	R-PLACE1000420	9104
	PLACE1000421	F-PLACE1000421	4115	R-PLACE1000421	9105
	PLACE1000424	F-PLACE1000424	4116	R-PLACE1000424	9106
10	PLACE1000435	F-PLACE1000435	4117	R-PLACE1000435	9107
	PLACE1000444	F-PLACE1000444	4118	R-PLACE1000444	9108
	PLACE1000453	F-PLACE1000453	4119	R-PLACE1000453	9109
	PLACE1000481	F-PLACE1000481	4120	R-PLACE1000481	9110
15	PLACE1000492	F-PLACE1000492	4121	R-PLACE1000492	9111
	PLACE1000540	F-PLACE1000540	4122	R-PLACE1000540	9112
	PLACE1000547	F-PLACE1000547	4123	R-PLACE1000547	9113
	PLACE1000562	F-PLACE1000562	4124	R-PLACE1000562	9114
20	PLACE1000564	F-PLACE1000564	4125	R-PLACE1000564	9115
	PLACE1000583	F-PLACE1000583	4126	R-PLACE1000583	9116
	PLACE1000588	F-PLACE1000588	4127	R-nnnnnnnnnnnnn	9117
	PLACE1000596	F-PLACE1000596	4128	R-PLACE1000596	9118
	PLACE1000599	F-PLACE1000599	4129	R-PLACE1000599	9119
25	PLACE1000610	F-PLACE1000610	4130	R-PLACE1000610	9120
	PLACE1000611	F-PLACE1000611	4131		
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	PLACE1000653	F-PLACE1000653	4133	R-PLACE1000653	9122
30	PLACE1000656	F-PLACE1000656	4134	R-PLACE1000656	9123
	PLACE1000706	F-PLACE1000706	4135	R-PLACE1000706	9124
	PLACE1000712	F-PLACE1000712	4136	R-PLACE1000712	9125
	PLACE1000716	F-PLACE1000716	4137	R-PLACE1000716	9126
35	PLACE1000748	F-PLACE1000748	4138	R-PLACE1000748	9127
	PLACE1000749	F-PLACE1000749	4139	R-PLACE1000749	9128
	PLACE1000755	F-PLACE1000755	4140	R-PLACE1000755	9129
	PLACE1000769	F-PLACE1000769	4141	R-PLACE1000769	9130
	PLACE1000785	F-PLACE1000785	4142	R-PLACE1000785	9131
40	PLACE1000786	F-PLACE1000786	4143	R-PLACE1000786	9132
	PLACE1000793	F-PLACE1000793	4144	R-nnnnnnnnnnnnn	9133
	PLACE1000798	F-PLACE1000798	4145	R-PLACE1000798	9134
	PLACE1000841	F-PLACE1000841	4146	R-PLACE1000841	9135
45	PLACE1000849	F-PLACE1000849	4147	R-nnnnnnnnnnnnn	9136
	PLACE1000856	F-PLACE1000856	4148	R-PLACE1000856	9137
	PLACE1000863	F-PLACE1000863	4149	R-PLACE1000863	9138
	PLACE1000909	F-PLACE1000909	4150	R-PLACE1000909	9139
50	PLACE1000931	F-PLACE1000931	4151	R-PLACE1000931	9140
	PLACE1000948	F-PLACE1000948	4152	R-PLACE1000948	9141
	PLACE1000972	F-PLACE1000972	4153	R-PLACE1000972	9142
	PLACE1000977	F-PLACE1000977	4154	R-PLACE1000977	9143
55	PLACE1000979	F-PLACE1000979	4155	R-PLACE1000979	9144

	PLACE1000987	F-PLACE1000987	4156		
	PLACE1001000	F-PLACE1001000	4157	R-PLACE1001000	9145
	PLACE1001007	F-PLACE1001007	4158	R-PLACE1001007	9146
5	PLACE1001010	F-PLACE1001010	4159	R-PLACE1001010	9147
	PLACE1001015	F-PLACE1001015	4160	R-PLACE1001015	9148
	PLACE1001024	F-PLACE1001024	4161	R-PLACE1001024	9149
	PLACE1001036	F-PLACE1001036	4162	R-PLACE1001036	9150
10	PLACE1001054	F-PLACE1001054	4163		
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	PLACE1001076	F-PLACE1001076	4165	R-PLACE1001076	9152
	PLACE1001088	F-PLACE1001088	4166	R-PLACE1001088	9153
15	PLACE1001092	F-PLACE1001092	4167	R-PLACE1001092	9154
	PLACE1001104	F-PLACE1001104	4168	R-PLACE1001104	9155
	PLACE1001118	F-PLACE1001118	4169	R-PLACE1001118	9156
	PLACE1001136	F-PLACE1001136	4170	R-PLACE1001136	9157
	PLACE1001168	F-PLACE1001168	4171	R-PLACE1001168	9158
20	PLACE1001171	F-PLACE1001171	4172	R-PLACE1001171	9159
	PLACE1001185	F-PLACE1001185	4173	R-PLACE1001185	9160
	PLACE1001238	F-PLACE1001238	4174	R-PLACE1001238	9161
	PLACE1001241	F-PLACE1001241	4175	R-PLACE1001241	9162
25	PLACE1001257	F-PLACE1001257	4176	R-PLACE1001257	9163
	PLACE1001272	F-PLACE1001272	4177	R-PLACE1001272	9164
	PLACE1001279	F-PLACE1001279	4178	R-PLACE1001279	9165
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	THYRO1000505	F-THYRO1000505	5298	R-THYRO1000505	10222
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	THYRO1000569	F-THYRO1000569	5300	R-THYRO1000569	10224
50	THYRO1000570	F-THYRO1000570	5301	R-THYRO1000570	10225
	THYRO1000585	F-THYRO1000585	5302	R-nnnnnnnnnnnnn	10226
	THYRO1000596	F-THYRO1000596	5303	R-THYRO1000596	10227
	THYRO1000602	F-THYRO1000602	5304	R-THYRO1000602	10228
55	THYRO1000605	F-THYRO1000605	5305	R-THYRO1000605	10229

	THYRO1000625	F-THYRO1000625	5306	R-THYRO1000625	10230
	THYRO1000637	F-THYRO1000637	5307	R-THYRO1000637	10231
5	THYRO1000641	F-THYRO1000641	5308	R-THYRO1000641	10232
	THYRO1000658	F-THYRO1000658	5309	R-THYRO1000658	10233
	THYRO1000662	F-THYRO1000662	5310	R-nnnnnnnnnnnnn	10234
	THYRO1000666	F-THYRO1000666	5311	R-THYRO1000666	10235
	THYRO1000676	F-THYRO1000676	5312	R-THYRO1000676	10236
10	THYRO1000684	F-THYRO1000684	5313	R-THYRO1000684	10237
	THYRO1000699	F-THYRO1000699	5314	R-THYRO1000699	10238
	THYRO1000712	F-THYRO1000712	5315	R-THYRO1000712	10239
	THYRO1000715	F-THYRO1000715	5316		
15	THYRO1000734	F-THYRO1000734	5317	R-THYRO1000734	10240
	THYRO1000748	F-THYRO1000748	5318	R-THYRO1000748	10241
	THYRO1000756	F-THYRO1000756	5319	R-THYRO1000756	10242
	THYRO1000777	F-THYRO1000777	5320	R-THYRO1000777	10243
20	THYRO1000783	F-THYRO1000783	5321	R-THYRO1000783	10244
	THYRO1000787	F-THYRO1000787	5322	R-THYRO1000787	10245
	THYRO1000793	F-THYRO1000793	5323	R-THYRO1000793	10246
	THYRO1000796	F-THYRO1000796	5324	R-THYRO1000796	10247
	THYRO1000805	F-THYRO1000805	5325	R-THYRO1000805	10248
25	THYRO1000815	F-THYRO1000815	5326	R-THYRO1000815	10249
	THYRO1000829	F-THYRO1000829	5327	R-THYRO1000829	10250
	THYRO1000843	F-THYRO1000843	5328	R-THYRO1000843	10251
	THYRO1000852	F-THYRO1000852	5329	R-THYRO1000852	10252
30	THYRO1000855	F-THYRO1000855	5330	R-THYRO1000855	10253
	THYRO1000865	F-THYRO1000865	5331	R-THYRO1000865	10254
	THYRO1000895	F-THYRO1000895	5332	R-THYRO1000895	10255
	THYRO1000916	F-THYRO1000916	5333	R-THYRO1000916	10256
35	THYRO1000926	F-THYRO1000926	5334	R-THYRO1000926	10257
	THYRO1000934	F-THYRO1000934	5335	R-THYRO1000934	10258
	THYRO1000951	F-THYRO1000951	5336	R-THYRO1000951	10259
	THYRO1000952	F-THYRO1000952	5337	R-THYRO1000952	10260
40	THYRO1000974	F-THYRO1000974	5338	R-THYRO1000974	10261
	THYRO1000975	F-THYRO1000975	5339	R-THYRO1000975	10262
	THYRO1000983	F-THYRO1000983	5340	R-THYRO1000983	10263
	THYRO1000984	F-THYRO1000984	5341	R-THYRO1000984	10264
	THYRO1000988	F-THYRO1000988	5342	R-THYRO1000988	10265
45	THYRO1001003	F-THYRO1001003	5343	R-THYRO1001003	10266
	THYRO1001031	F-THYRO1001031	5344	R-THYRO1001031	10267
	THYRO1001033	F-THYRO1001033	5345	R-THYRO1001033	10268
	THYRO1001062	F-THYRO1001062	5346	R-THYRO1001062	10269
50	THYRO1001093	F-THYRO1001093	5347	R-THYRO1001093	10270
	THYRO1001100	F-THYRO1001100	5348	R-THYRO1001100	10271
	THYRO1001120	F-THYRO1001120	5349	R-THYRO1001120	10272
	THYRO1001121	F-THYRO1001121	5350	R-THYRO1001121	10273
55	THYRO1001133	F-THYRO1001133	5351	R-THYRO1001133	10274

	THYRO1001134	F-THYRO1001134	5352	R-THYRO1001134	10275
	THYRO1001142	F-THYRO1001142	5353	R-THYRO1001142	10276
5	THYRO1001173	F-THYRO1001173	5354	R-THYRO1001173	10277
	THYRO1001177	F-THYRO1001177	5355	R-THYRO1001177	10278
	THYRO1001189	F-THYRO1001189	5356	R-THYRO1001189	10279
	THYRO1001204	F-THYRO1001204	5357	R-THYRO1001204	10280
10	THYRO1001213	F-THYRO1001213	5358	R-THYRO1001213	10281
	THYRO1001262	F-THYRO1001262	5359	R-THYRO1001262	10282
	THYRO1001271	F-THYRO1001271	5360	R-THYRO1001271	10283
	THYRO1001287	F-THYRO1001287	5361		
	THYRO1001290	F-THYRO1001290	5362	R-THYRO1001290	10284
15	THYRO1001313	F-THYRO1001313	5363	R-THYRO1001313	10285
	THYRO1001320	F-THYRO1001320	5364	R-THYRO1001320	10286
	THYRO1001321	F-THYRO1001321	5365	R-THYRO1001321	10287
	THYRO1001322	F-THYRO1001322	5366	R-nnnnnnnnnnnnn	10288
20	THYRO1001347	F-THYRO1001347	5367	R-THYRO1001347	10289
	THYRO1001363	F-THYRO1001363	5368	R-THYRO1001363	10290
	THYRO1001365	F-THYRO1001365	5369	R-THYRO1001365	10291
	THYRO1001374	F-THYRO1001374	5370	R-THYRO1001374	10292
25	THYRO1001401	F-THYRO1001401	5371	R-THYRO1001401	10293
	THYRO1001403	F-THYRO1001403	5372	R-THYRO1001403	10294
	THYRO1001405	F-THYRO1001405	5373	R-THYRO1001405	10295
	THYRO1001406	F-THYRO1001406	5374	R-THYRO1001406	10296
	THYRO1001411	F-THYRO1001411	5375	R-THYRO1001411	10297
30	THYRO1001426	F-THYRO1001426	5376	R-THYRO1001426	10298
	THYRO1001434	F-THYRO1001434	5377	R-THYRO1001434	10299
	THYRO1001458	F-THYRO1001458	5378	R-THYRO1001458	10300
	THYRO1001480	F-THYRO1001480	5379	R-THYRO1001480	10301
35	THYRO1001487	F-THYRO1001487	5380	R-THYRO1001487	10302
	THYRO1001534	F-THYRO1001534	5381	R-THYRO1001534	10303
	THYRO1001537	F-THYRO1001537	5382	R-THYRO1001537	10304
	THYRO1001541	F-THYRO1001541	5383	R-THYRO1001541	10305
40	THYRO1001559	F-THYRO1001559	5384	R-THYRO1001559	10306
	THYRO1001570	F-THYRO1001570	5385	R-THYRO1001570	10307
	THYRO1001573	F-THYRO1001573	5386	R-THYRO1001573	10308
	THYRO1001584	F-THYRO1001584	5387	R-THYRO1001584	10309
	THYRO1001595	F-THYRO1001595	5388	R-THYRO1001595	10310
45	THYRO1001602	F-THYRO1001602	5389	R-THYRO1001602	10311
	THYRO1001605	F-THYRO1001605	5390	R-THYRO1001605	10312
	THYRO1001617	F-THYRO1001617	5391	R-THYRO1001617	10313
	THYRO1001637	F-THYRO1001637	5392	R-THYRO1001637	10314
50	THYRO1001656	F-THYRO1001656	5393	R-THYRO1001656	10315
	THYRO1001661	F-THYRO1001661	5394	R-THYRO1001661	10316
	THYRO1001671	F-THYRO1001671	5395	R-THYRO1001671	10317
	THYRO1001673	F-THYRO1001673	5396	R-THYRO1001673	10318
55	THYRO1001703	F-THYRO1001703	5397	R-THYRO1001703	10319

	THYRO1001706	F-THYRO1001706	5398	R-THYRO1001706	10320
	THYRO1001721	F-THYRO1001721	5399	R-THYRO1001721	10321
	THYRO1001738	F-THYRO1001738	5400	R-nnnnnnnnnnnnn	10322
5	THYRO1001745	F-THYRO1001745	5401	R-THYRO1001745	10323
	THYRO1001746	F-THYRO1001746	5402	R-THYRO1001746	10324
	THYRO1001772	F-THYRO1001772	5403	R-THYRO1001772	10325
	THYRO1001793	F-THYRO1001793	5404	R-THYRO1001793	10326
10	THYRO1001809	F-THYRO1001809	5405	R-THYRO1001809	10327
	THYRO1001828	F-THYRO1001828	5406		
	THYRO1001854	F-THYRO1001854	5407	R-THYRO1001854	10328
	THYRO1001895	F-THYRO1001895	5408	R-THYRO1001895	10329
15	THYRO1001907	F-THYRO1001907	5409	R-THYRO1001907	10330
	VESEN1000122	F-VESEN1000122	5410	R-VESEN1000122	10331
	Y79AA1000013	F-Y79AA1000013	5411	R-Y79AA1000013	10332
	Y79AA1000033	F-Y79AA1000033	5412	R-Y79AA1000033	10333
20	Y79AA1000037	F-Y79AA1000037	5413	R-Y79AA1000037	10334
	Y79AA1000059	F-Y79AA1000059	5414	R-Y79AA1000059	10335
	Y79AA1000065	F-Y79AA1000065	5415	R-Y79AA1000065	10336
	Y79AA1000131	F-Y79AA1000131	5416	R-Y79AA1000131	10337
	Y79AA1000181	F-Y79AA1000181	5417	R-Y79AA1000181	10338
25	Y79AA1000202	F-Y79AA1000202	5418	R-Y79AA1000202	10339
	Y79AA1000214	F-Y79AA1000214	5419	R-Y79AA1000214	10340
	Y79AA1000230	F-Y79AA1000230	5420	R-Y79AA1000230	10341
	Y79AA1000231	F-Y79AA1000231	5421	R-Y79AA1000231	10342
30	Y79AA1000258	F-Y79AA1000258	5422	R-Y79AA1000258	10343
	Y79AA1000268	F-Y79AA1000268	5423	R-Y79AA1000268	10344
	Y79AA1000313	F-Y79AA1000313	5424	R-Y79AA1000313	10345
	Y79AA1000328	F-Y79AA1000328	5425	R-Y79AA1000328	10346
35	Y79AA1000342	F-Y79AA1000342	5426	R-Y79AA1000342	10347
	Y79AA1000346	F-Y79AA1000346	5427	R-Y79AA1000346	10348
	Y79AA1000349	F-Y79AA1000349	5428	R-Y79AA1000349	10349
	Y79AA1000355	F-Y79AA1000355	5429	R-Y79AA1000355	10350
	Y79AA1000368	F-Y79AA1000368	5430	R-Y79AA1000368	10351
40	Y79AA1000405	F-Y79AA1000405	5431	R-Y79AA1000405	10352
	Y79AA1000410	F-Y79AA1000410	5432	R-Y79AA1000410	10353
	Y79AA1000420	F-Y79AA1000420	5433	R-Y79AA1000420	10354
	Y79AA1000469	F-Y79AA1000469	5434	R-Y79AA1000469	10355
45	Y79AA1000480	F-Y79AA1000480	5435	R-Y79AA1000480	10356
	Y79AA1000538	F-Y79AA1000538	5436	R-Y79AA1000538	10357
	Y79AA1000539	F-Y79AA1000539	5437	R-Y79AA1000539	10358
	Y79AA1000540	F-Y79AA1000540	5438	R-Y79AA1000540	10359
50	Y79AA1000560	F-Y79AA1000560	5439	R-Y79AA1000560	10360
	Y79AA1000574	F-Y79AA1000574	5440	R-Y79AA1000574	10361
	Y79AA1000589	F-Y79AA1000589	5441		
	Y79AA1000627	F-Y79AA1000627	5442	R-Y79AA1000627	10362
55	Y79AA1000705	F-Y79AA1000705	5443	R-Y79AA1000705	10363

	Y79AA1000734	F-Y79AA1000734	5444	R-Y79AA1000734	10364
	Y79AA1000748	F-Y79AA1000748	5445	R-Y79AA1000748	10365
5	Y79AA1000752	F-Y79AA1000752	5446	R-Y79AA1000752	10366
	Y79AA1000774	F-Y79AA1000774	5447	R-Y79AA1000774	10367
	Y79AA1000782	F-Y79AA1000782	5448	R-Y79AA1000782	10368
	Y79AA1000784	F-Y79AA1000784	5449	R-Y79AA1000784	10369
	Y79AA1000794	F-Y79AA1000794	5450	R-Y79AA1000794	10370
10	Y79AA1000800	F-Y79AA1000800	5451	R-Y79AA1000800	10371
	Y79AA1000802	F-Y79AA1000802	5452	R-nnnnnnnnnnnnn	10372
	Y79AA1000805	F-Y79AA1000805	5453	R-Y79AA1000805	10373
	Y79AA1000824	F-Y79AA1000824	5454	R-Y79AA1000824	10374
15	Y79AA1000827	F-Y79AA1000827	5455	R-Y79AA1000827	10375
	Y79AA1000833	F-Y79AA1000833	5456		
	Y79AA1000850	F-Y79AA1000850	5457	R-Y79AA1000850	10376
	Y79AA1000962	F-Y79AA1000962	5458	R-Y79AA1000962	10377
20	Y79AA1000966	F-Y79AA1000966	5459		
	Y79AA1000968	F-Y79AA1000968	5460	R-Y79AA1000968	10378
	Y79AA1000969	F-Y79AA1000969	5461	R-Y79AA1000969	10379
	Y79AA1000976	F-Y79AA1000976	5462	R-Y79AA1000976	10380
25	Y79AA1000985	F-Y79AA1000985	5463	R-Y79AA1000985	10381
	Y79AA1001023	F-Y79AA1001023	5464	R-Y79AA1001023	10382
	Y79AA1001041	F-Y79AA1001041	5465	R-Y79AA1001041	10383
	Y79AA1001048	F-Y79AA1001048	5466	R-Y79AA1001048	10384
30	Y79AA1001061	F-Y79AA1001061	5467	R-Y79AA1001061	10385
	Y79AA1001068	F-Y79AA1001068	5468	R-Y79AA1001068	10386
	Y79AA1001077	F-Y79AA1001077	5469	R-Y79AA1001077	10387
	Y79AA1001078	F-Y79AA1001078	5470	R-Y79AA1001078	10388
35	Y79AA1001105	F-Y79AA1001105	5471	R-Y79AA1001105	10389
	Y79AA1001145	F-Y79AA1001145	5472	R-Y79AA1001145	10390
	Y79AA1001167	F-Y79AA1001167	5473	R-Y79AA1001167	10391
	Y79AA1001177	F-Y79AA1001177	5474	R-Y79AA1001177	10392
	Y79AA1001185	F-Y79AA1001185	5475	R-Y79AA1001185	10393
40	Y79AA1001211	F-Y79AA1001211	5476	R-Y79AA1001211	10394
	Y79AA1001216	F-Y79AA1001216	5477	R-Y79AA1001216	10395
	Y79AA1001228	F-Y79AA1001228	5478	R-Y79AA1001228	10396
	Y79AA1001233	F-Y79AA1001233	5479	R-Y79AA1001233	10397
45	Y79AA1001236	F-Y79AA1001236	5480	R-Y79AA1001236	10398
	Y79AA1001281	F-Y79AA1001281	5481	R-Y79AA1001281	10399
	Y79AA1001299	F-Y79AA1001299	5482	R-Y79AA1001299	10400
	Y79AA1001312	F-Y79AA1001312	5483	R-Y79AA1001312	10401
50	Y79AA1001323	F-Y79AA1001323	5484	R-Y79AA1001323	10402
	Y79AA1001384	F-Y79AA1001384	5485	R-Y79AA1001384	10403
	Y79AA1001391	F-Y79AA1001391	5486	R-Y79AA1001391	10404
	Y79AA1001394	F-Y79AA1001394	5487	R-Y79AA1001394	10405
55	Y79AA1001402	F-Y79AA1001402	5488	R-Y79AA1001402	10406
	Y79AA1001493	F-Y79AA1001493	5489	R-Y79AA1001493	10407

	Y79AA1001511	F-Y79AA1001511	5490	R-Y79AA1001511	10408
	Y79AA1001533	F-Y79AA1001533	5491	R-Y79AA1001533	10409
5	Y79AA1001541	F-Y79AA1001541	5492	R-nnnnnnnnnnnnn	10410
	Y79AA1001548	F-Y79AA1001548	5493	R-Y79AA1001548	10411
	Y79AA1001555	F-Y79AA1001555	5494	R-Y79AA1001555	10412
	Y79AA1001581	F-Y79AA1001581	5495		
	Y79AA1001585	F-Y79AA1001585	5496	R-Y79AA1001585	10413
10	Y79AA1001594	F-Y79AA1001594	5497	R-Y79AA1001594	10414
	Y79AA1001603	F-Y79AA1001603	5498	R-Y79AA1001603	10415
	Y79AA1001613	F-Y79AA1001613	5499	R-Y79AA1001613	10416
	Y79AA1001647	F-Y79AA1001647	5500	R-Y79AA1001647	10417
15	Y79AA1001665	F-Y79AA1001665	5501	R-Y79AA1001665	10418
	Y79AA1001679	F-Y79AA1001679	5502	R-Y79AA1001679	10419
	Y79AA1001692	F-Y79AA1001692	5503	R-nnnnnnnnnnnnn	10420
	Y79AA1001696	F-Y79AA1001696	5504	R-Y79AA1001696	10421
20	Y79AA1001705	F-Y79AA1001705	5505	R-Y79AA1001705	10422
	Y79AA1001711	F-Y79AA1001711	5506	R-Y79AA1001711	10423
	Y79AA1001781	F-Y79AA1001781	5507	R-Y79AA1001781	10424
	Y79AA1001805	F-Y79AA1001805	5508	R-nnnnnnnnnnnnn	10425
25	Y79AA1001827	F-Y79AA1001827	5509	R-Y79AA1001827	10426
	Y79AA1001846	F-Y79AA1001846	5510	R-Y79AA1001846	10427
	Y79AA1001848	F-Y79AA1001848	5511	R-Y79AA1001848	10428
	Y79AA1001866	F-Y79AA1001866	5512	R-Y79AA1001866	10429
30	Y79AA1001874	F-Y79AA1001874	5513	R-Y79AA1001874	10430
	Y79AA1001875	F-Y79AA1001875	5514	R-Y79AA1001875	10431
	Y79AA1001923	F-Y79AA1001923	5515	R-Y79AA1001923	10432
	Y79AA1001963	F-Y79AA1001963	5516		
35	Y79AA1002027	F-Y79AA1002027	5517	R-Y79AA1002027	10433
	Y79AA1002083	F-Y79AA1002083	5518	R-Y79AA1002083	10434
	Y79AA1002089	F-Y79AA1002089	5519	R-Y79AA1002089	10435
	Y79AA1002093	F-Y79AA1002093	5520	R-Y79AA1002093	10436
	Y79AA1002103	F-Y79AA1002103	5521	R-Y79AA1002103	10437
40	Y79AA1002115	F-Y79AA1002115	5522	R-Y79AA1002115	10438
	Y79AA1002125	F-Y79AA1002125	5523	R-Y79AA1002125	10439
	Y79AA1002139	F-Y79AA1002139	5524	R-Y79AA1002139	10440
	Y79AA1002204	F-Y79AA1002204	5525	R-Y79AA1002204	10441
45	Y79AA1002208	F-Y79AA1002208	5526	R-nnnnnnnnnnnnn	10442
	Y79AA1002209	F-Y79AA1002209	5527	R-Y79AA1002209	10443
	Y79AA1002210	F-Y79AA1002210	5528	R-Y79AA1002210	10444
	Y79AA1002211	F-Y79AA1002211	5529	R-Y79AA1002211	10445
50	Y79AA1002220	F-Y79AA1002220	5530	R-Y79AA1002220	10446
	Y79AA1002229	F-Y79AA1002229	5531	R-Y79AA1002229	10447
	Y79AA1002234	F-Y79AA1002234	5532	R-Y79AA1002234	10448
	Y79AA1002246	F-Y79AA1002246	5533	R-Y79AA1002246	10449
55	Y79AA1002258	F-Y79AA1002258	5534	R-Y79AA1002258	10450
	Y79AA1002298	F-Y79AA1002298	5535	R-Y79AA1002298	10451

	Y79AA1002307	F-Y79AA1002307	5536	R-Y79AA1002307	10452
	Y79AA1002311	F-Y79AA1002311	5537	R-Y79AA1002311	10453
5	Y79AA1002351	F-Y79AA1002351	5538	R-Y79AA1002351	10454
	Y79AA1002361	F-Y79AA1002361	5539	R-Y79AA1002361	10455
	Y79AA1002399	F-Y79AA1002399	5540	R-Y79AA1002399	10456
	Y79AA1002407	F-Y79AA1002407	5541	R-Y79AA1002407	10457
10	Y79AA1002416	F-Y79AA1002416	5542	R-Y79AA1002416	10458
	Y79AA1002431	F-Y79AA1002431	5543	R-Y79AA1002431	10459
	Y79AA1002433	F-Y79AA1002433	5544	R-nnnnnnnnnnnnn	10460
	Y79AA1002472	F-Y79AA1002472	5545	R-Y79AA1002472	10461
15	Y79AA1002482	F-Y79AA1002482	5546	R-Y79AA1002482	10462
	Y79AA1002487	F-Y79AA1002487	5547	R-Y79AA1002487	10463

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Table 2

name of clone	name of 5'-end sequence	SEQ ID of 5'-end sequence	name of 3'-end sequence	SEQ ID of 3'-end sequence
HEMBA1000497	F-HEMBA1000497	16111	R-HEMBA1000497	16165
HEMBA1001750	F-HEMBA1001750	16112	R-HEMBA1001750	16166
HEMBA1003854	F-HEMBA1003854	16113	R-HEMBA1003854	16167
HEMBA1004193	F-HEMBA1004193	16114	R-HEMBA1004193	16168
HEMBA1004860	F-HEMBA1004860	16115	R-HEMBA1004860	16169
HEMBA1005572	F-HEMBA1005572	16116	R-HEMBA1005572	16170
HEMBA1006038	F-HEMBA1006038	16117	R-HEMBA1006038	16171
HEMBA1006092	F-HEMBA1006092	16118	R-HEMBA1006092	16172
HEMBA1006406	F-HEMBA1006406	16119	R-HEMBA1006406	16173
HEMBA1006650	F-HEMBA1006650	16120	R-HEMBA1006650	16174
HEMBA1006812	F-HEMBA1006812	16121	R-HEMBA1006812	16175
HEMBB1000672	F-HEMBB1000672	16122	R-HEMBB1000672	16176
HEMBB1001197	F-HEMBB1001197	16123	R-HEMBB1001197	16177
HEMBB1001871	F-HEMBB1001871	16124	R-HEMBB1001871	16178
MAMMA1001252	F-MAMMA1001252	16125	R-MAMMA1001252	16179
MAMMA1002094	F-MAMMA1002094	16126	R-MAMMA1002094	16180
NT2RM4000634	F-NT2RM4000634	16127	R-NT2RM4000634	16181
NT2RM4000657	F-NT2RM4000657	16128	R-NT2RM4000657	16182
NT2RM4000783	F-NT2RM4000783	16129	R-NT2RM4000783	16183
NT2RM4000857	F-NT2RM4000857	16130	R-NT2RM4000857	16184
NT2RM4001178	F-NT2RM4001178	16131	R-NT2RM4001178	16185
NT2RM4002420	F-NT2RM4002420	16132	R-NT2RM4002420	16186
NT2RP2000198	F-NT2RP2000198	16133	R-NT2RP2000198	16187
NT2RP2000551	F-NT2RP2000551	16134	R-NT2RP2000551	16188
NT2RP2000660	F-NT2RP2000660	16135	R-NT2RP2000660	16189

	NT2RP2001214	F-NT2RP2001214	16136	R-NT2RP2001214	16190
	NT2RP2001460	F-NT2RP2001460	16137	R-NT2RP2001460	16191
5	NT2RP2001756	F-NT2RP2001756	16138	R-NT2RP2001756	16192
	NT2RP2002056	F-NT2RP2002056	16139	R-NT2RP2002056	16193
	NT2RP2002677	F-NT2RP2002677	16140	R-NT2RP2002677	16194
	NT2RP2002755	F-NT2RP2002755	16141	R-NT2RP2002755	16195
10	NT2RP2002843	F-NT2RP2002843	16142	R-NT2RP2002843	16196
	NT2RP2003101	F-NT2RP2003101	16143	R-NT2RP2003101	16197
	NT2RP2003799	F-NT2RP2003799	16144	R-NT2RP2003799	16198
	NT2RP2004095	F-NT2RP2004095	16145	R-NT2RP2004095	16199
15	NT2RP2004732	F-NT2RP2004732	16146	R-NT2RP2004732	16200
	NT2RP2004920	F-NT2RP2004920	16147	R-NT2RP2004920	16201
	NT2RP2005454	F-NT2RP2005454	16148	R-NT2RP2005454	16202
	NT2RP2005776	F-NT2RP2005776	16149	R-NT2RP2005776	16203
20	NT2RP2005806	F-NT2RP2005806	16150	R-NT2RP2005806	16204
	NT2RP2005882	F-NT2RP2005882	16151	R-NT2RP2005882	16205
	NT2RP3001282	F-NT2RP3001282	16152	R-NT2RP3001282	16206
	NT2RP3001723	F-NT2RP3001723	16153	R-NT2RP3001723	16207
25	NT2RP3002099	F-NT2RP3002099	16154	R-NT2RP3002099	16208
	NT2RP3003155	F-NT2RP3003155	16155	R-NT2RP3003155	16209
	NT2RP3004028	F-NT2RP3004028	16156	R-NT2RP3004028	16210
30	OVARC1000008	F-OVARC1000008	16157	R-OVARC1000008	16211
	OVARC1000724	F-OVARC1000724	16158	R-OVARC1000724	16212
	OVARC1000751	F-OVARC1000751	16159	R-OVARC1000751	16213
	OVARC1001029	F-OVARC1001029	16160	R-OVARC1001029	16214
35	PLACE1000814	F-PLACE1000814	16161	R-PLACE1000814	16215
	PLACE1003030	F-PLACE1003030	16162	R-PLACE1003030	16216
	PLACE1005549	F-PLACE1005549	16163	R-PLACE1005549	16217
40	PLACE1007218	F-PLACE1007218	16164	R-PLACE1007218	16218

[0019] Furthermore, the present invention relates to the use of the above primers, as described below.

- (4) A polynucleotide which can be synthesized with the primer set of (2) or (3).
- (5) A polynucleotide comprising a coding region in the polynucleotide of (4).
- (6) A substantially pure protein encoded by polynucleotide of (4).
- (7) A partial peptide of the protein of (6).

[0020] In addition, the present invention comprises a polynucleotide described below and a protein encoded by the polynucleotide.

- (8) An isolated polynucleotide selected from the group consisting of

- (a) a polynucleotide comprising a coding region of the nucleotide sequence set forth in any one of the SEQ ID NOs in Tables 350 and 351;
- (b) a polynucleotide comprising a nucleotide sequence encoding a protein comprising the amino acid sequence set forth in any one of the SEQ ID NOs in Tables 350 and 351;
- (c) a polynucleotide comprising a nucleotide sequence encoding a protein comprising an amino acid sequence

selected from the amino acid sequences set forth in the SEQ ID NOs in Tables 350 and 351, in which one or more amino acids are substituted, deleted, inserted, and/or added, wherein said protein is functionally equivalent to the protein comprising said amino acid sequence selected from the amino acid sequences set forth in the SEQ ID NOs in Tables 350 and 351;

(d) a polynucleotide that hybridizes with a polynucleotide comprising a nucleotide sequence selected from the nucleotide sequences set forth in the SEQ ID NOs in Tables 350 and 351, and that comprises a nucleotide sequence encoding a protein functionally equivalent to the protein encoded by the nucleotide sequence selected from the nucleotide sequences set forth in the SEQ ID NOs in Tables 350 and 351;

(e) a polynucleotide comprising a nucleotide sequence encoding a partial amino acid sequence of a protein encoded by the polynucleotide of (a) to (d);

(f) a polynucleotide comprising a nucleotide sequence with at least 70% identity to the nucleotide sequence set forth in any one of the SEQ ID NOs in Tables 350 and 351.

(9). A substantially pure protein encoded by the polynucleotide of (8).

(10) An antibody against the protein or peptide of any one of (6), (7), and (9).

(11) A vector comprising the polynucleotide of (5) or (8).

(12) A transformant carrying the polynucleotide of (5) or (8), or the vector of (11).

(13) A transformant expressively carrying the polynucleotide of (5) or (8), or the vector of (11).

(14) A method for producing the protein or peptide of any one of (6), (7), and (9), comprising culturing the transformant of (13) and recovering the expression product.

(15) An oligonucleotide comprising the nucleotide sequence set forth in any one of the SEQ ID NOs in Tables 350 and 351 or the nucleotide sequence complementary to the complementary strand thereof, wherein said oligonucleotide comprises 15 nucleotides or more.

(16) Use of the oligonucleotide of (15) as a primer for synthesizing a polynucleotide.

(17) Use of the oligonucleotide of (15) as a probe for detecting a gene.

(18) An antisense polynucleotide against the polynucleotide of (8), or the portion thereof.

(19) A method for synthesizing a polynucleotide, the method comprising:

a) synthesizing a complementary strand using a cDNA library as a template, and using the primer set of (2) or (3), or the primer of (16); and

b) recovering the synthesized product.

(20) The method of (19), wherein the cDNA library is obtainable by oligo-capping method.

(21) The method of (19), wherein the complementary strand is obtainable by PCR.

(22) A method for detecting the polynucleotide of (8), the method comprising:

a) incubating a target polynucleotide with the oligonucleotide of (15) under the conditions where hybridization occurs, and

b) detecting the hybridization of the target polynucleotide with the oligonucleotide of (15).

(23) A database of polynucleotides and/or proteins, the database comprising information on at least one sequence selected from the nucleotide sequences set forth in the SEQ ID NOs in Tables 350 and 351 and/or the amino acid sequences set forth in the SEQ ID NOs in Tables 350 and 351, or a medium on which the database is stored.

[0021] Any patents, patent applications, and publications cited herein are incorporated by reference.

BRIEF DESCRIPTION OF THE DRAWINGS

[0022] Figure 1 shows the restriction maps of vectors pME18SFL3 and pUC19FL3.

[0023] Figure 2 shows the reproducibility of gene expression analysis. The respective intensities of gene expression observed in independent set of experiments are plotted in the vertical axis as well as in the horizontal axis.

[0024] Figure 3 shows the detection limit in gene expression analysis. The intensity of expression is shown in the vertical axis and the concentration ($\mu\text{g/ml}$) of probe used is shown in the horizontal axis.

DETAILED DESCRIPTION OF THE INVENTION

[0025] Herein, "polynucleotide" is defined as a molecule in which multiple nucleotides are polymerized. There are no limitations in the number of the polymerized nucleotides. In case that the polymer contains relatively low number

of nucleotides, it is also described as an "oligonucleotide". The polynucleotide or the oligonucleotide of the present invention can be a natural or chemically synthesized product. Alternatively, it can be synthesized using a template DNA by an enzymatic reaction such as PCR.

[0026] All the cDNA provided by the invention are full-length cDNA. Herein, a "full-length cDNA" is defined as a cDNA which contains both ATG codon (the translation start site) and the stop codon. Accordingly, the untranslated regions, which are originally found in the upstream or downstream of the protein coding region in natural mRNA, may or may not be contained.

[0027] An "isolated polynucleotide" is a polynucleotide the structure of which is not identical to that of any naturally occurring nucleic acid or to that of any fragment of a naturally occurring genomic nucleic acid spanning more than three separate genes. The term therefore covers, for example,

(a) a DNA which has the sequence of part of a naturally occurring genomic DNA molecule but is not flanked by both of the coding sequences that flank that part of the molecule in the genome of the organism in which it naturally occurs;

(b) a nucleic acid incorporated into a vector or into the genomic DNA of a prokaryote or eukaryote in a manner such that the resulting molecule is not identical to any naturally occurring vector or genomic DNA;

(c) a separate molecule such as a cDNA, a genomic fragment, a fragment produced by polymerase chain reaction (PCR), or a restriction fragment; and

(d) a recombinant nucleotide sequence that is part of a hybrid gene, i.e., a gene encoding a fusion protein. Specifically excluded from this definition are nucleic acids present in mixtures of different (i) DNA molecules, (ii) transfected cells, or (iii) cell clones: e.g., as these occur in a DNA library such as a cDNA or genomic DNA library.

[0028] The term "substantially pure" as used herein in reference to a given polypeptide means that the protein or polypeptide is substantially free from other biological macromolecules. The substantially pure protein or polypeptide is at least 75% (e.g., at least 80, 85, 95, or 99%) pure by dry weight. Purity can be measured by any appropriate standard method, for example, by column chromatography, polyacrylamide gel electrophoresis, or HPLC analysis.

[0029] All the clones (5602 clones) of the present invention are novel and encode the full-length proteins. All the clones were prepared by oligo capping method, which can achieve cDNA cloning with high fullness ratio. The cDNA clones were selected by using ATGprl score as an index of the fullness ratio at the 5'-end, based on the sequence features of the 5'-end sequences. Selection was further carried out by searching GenBank database for EST sequences homologous to 5'-end sequence of each clone by BLAST [S.F. Altschul, W. Gish, W. Miller, E.W. Myers & D.L. Lipman J. Mol. Biol., 215:403-410 (1990); W. Gish, & D.J. States, Nature Genet., 3:266-272 (1993)] and by considering the number of matching (identical) EST sequences or the number of continuous amino acids in the 5'-end sequence initiated from the initiation codon.

[0030] Moreover, the clones were turn out to be not identical to any of the known human mRNA (namely novel) by homology search using the 5'-end sequence.

[0031] The primers of the present invention, which are used for synthesizing full-length cDNA, are selected from the group comprising SEQ ID NO: 1-5547 (5'-primer), or SEQ ID NO: 5548-10463 (3'-primer). Further, the primers of the present invention, which are used for synthesizing full-length cDNA, are selected from SEQ ID NO: 16111-16164 (5'-primer), or SEQ ID NO: 16165-16218 (3'-primer). Some of the nucleotides include a known EST as its part. However, the primers of the present invention are novel in terms that the primers enable to synthesize full-length cDNA. Because the known ESTs lack important information on what part of cDNA the ESTs correspond to, it is impossible to design primers on the basis of the ESTs.

[0032] All the full-length cDNA of the present invention can be synthesized using a primer set comprising the nucleotide sequences selected from both the 5'-and 3'-end sequences, or a set comprising a primer based on the 5'-end sequence and an oligo-dT primer, by a method such as PCR (Current protocols in Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons, Section 6.1-6.4).

[0033] Specifically, PCR can be performed using an oligonucleotide that has 15 nucleotides longer, and specifically hybridizes with the complementary strand of the polynucleotide that contains the nucleotide sequence selected from the 5'-end sequences shown in Table 1 and 2 (SEQ ID NO: 1-5547, or SEQ ID NO: 16111-16164), and an oligo-dT primer as a 5'-, and 3'-primer, respectively. The length of the primers is usually 15-100 bp, and favorably between 15-35 bp. In case of LA PCR, which is described below, the primer length of 25-35 bp may provide a good result.

[0034] A method to design a primer that enables a specific amplification based on the given nucleotide sequence is known to those skilled in the art (Current Protocols in Molecular Biology, Ausubel et al. edit, (1987) John Wiley & Sons, Section 6.1-6.4). In designing a primer based on the 5'-end sequence, the primer is designed so as that, in principle, the amplification products will include the translation start site. Accordingly, in case that a given 5'-end nucleotide sequence is the 5'- untranslated region (5'UTR), any part of the sequence can be used as a 5'-primer as far as the specificity toward the target cDNA is insured. The translation start site can be predicted using a known method such

as the ATGpr as described below.

[0035] When synthesizing a polynucleotide, the target nucleotide sequence to be amplified can extend to several thousand bp in some cDNA. However, it is possible to amplify such a long nucleotides by using such as LA PCR (Long and Accurate PCR). It is advantageous to use LA PCR when synthesizing long DNA. In LA PCR, in which a special DNA polymerase having 3' → 5' exonuclease activity is used, misincorporated nucleotides can be removed. Accordingly, accurate synthesis of the complementary strand can be achieved even with a long nucleotide sequence. By using LA PCR, it is reported that amplification of a nucleotide with 20 kb longer can be achieved under desirable condition (Takeshi Hayashi (1996) Jikken-Igaku Bessatsu, "Advanced Technologies in PCR" Youdo-sha).

[0036] A template DNA for synthesizing the cDNA of the present invention can be obtained by using cDNA libraries that are prepared by various methods. The full-length cDNA clones obtained here are those with high fullness ratio, which were obtained using a combination of (1) a method to prepare a full-length-enriched cDNA library using the oligo-capping method, and (2) an estimation system for fullness using the 5'-end sequence (selection based on the estimation by the ATGpr after removing clones that are not-full-length compared to the ESTs). However, it is possible to easily obtain a full-length cDNA by using the primers that are provided by the present invention, not by the above described specialized method.

The problem with the cDNA libraries prepared by the known methods or commercially available is that mRNA contained in the libraries has very low fullness ratio. Thus, it is difficult to screen full-length cDNA clone directly from the library using ordinary cloning methods. The present invention has revealed a primer that is capable of synthesizing a full-length cDNA. If provided with primers, it is possible to synthesize a target full-length cDNA by using enzymatic reactions such as PCR. In particular, a full-length-enriched cDNA library, synthesized by methods such as oligo-capping, is desirable to synthesize a full-length cDNA with more reliability.

[0037] The 5'-end sequence of the full-length cDNA clones of the invention can be used to isolate the regulatory element of transcription including the promoter on the genome. By the spring of the year 2000, a rough draft of the human genome (analysis of human genomic sequence with lower accuracy), which covers 90% of the genome, is planned to be accomplished, and by the year 2003, analysis of the entire human genomic sequence is going to be finished. However, it is hard to analyze with software the transcription start sites on the human genome, in which long introns exist. By contrast, it is easy to specify the transcription start site on the genomic sequence using the 5'-end sequence of the full-length cDNA clone, thus it is easy to obtain the genomic region involved in transcription regulation, which includes the promoter that is contained in the upstream of the transcription start site.

[0038] The full-length cDNAs cloned in the present invention are classified into 13 groups, based on the data such as ATGpr1 score, by which the fullness ratio can be evaluated. Specifically, the 13 groups consist of; the below-mentioned groups (1)-(3), containing 3690 clones (Table 9), and the group (12), containing 3 clones, wherein ATGpr1 (score defined in the ATGpr program) is higher than 0.3; and the below-mentioned groups (4)-(11), containing 1857 clones (Table 10), and the group (13), containing 52 clones, wherein, although ATGpr1 is 0.3 or less, the clones are judged to be full-length from various viewpoints. Names of the clones belonging to the groups (1)-(13) are as indicated in Examples or below.

(1) 1516 clones

Among the 3690 clones that have the maximal ATGpr1 score higher than 0.3, 1516 clones are novel full-length clones, in which at least either of the sequences of the 5'- and 3'-ends, or both are not identical to those of any human EST.

(2) 377 clones

Among the 3690, 377 clones are novel full-length clones, in which the number of human EST having identical sequence at both 5'- and 3'-ends is 1 to 5.

(3) 1797 clones

Among the 3690, 1797 clones are novel full-length clones, in which the number of human EST having identical sequence at the 5'-end is not more than 20 (except the clones described above).

(4) 453 clones

Among the 1857 clones in which the maximal ATGpr1 score is 0.3 or less, the following 453 clones are estimated to be novel full-length clones since the clones have the maximal score 0.3 or more in the ATGpr2, and at least either of the sequences of their 5'- and 3'-ends, or both are not identical to those of any human EST. The ATGpr2 score is determined by using the ATGpr program with neglecting the information of the frequency of the six nucleotides contained within the sequence between the ATG codon and the stop codon (the maximal length is 300 nucleotides from the ATG codon) (Salamo A.A., Nishikawa T., and Swindells M.B. (1998) Bioinformatics, 14: 384-390; <http://www.hri.co.jp/atgpr/>). The ATGpr program for calculating the ATGpr2 score is described as the

ATGpr2 program in the followings.

(5) 24 clones

Among the 1857 clones, 24 clones are estimated to be full-length since their maximal ATGpr2 scores are higher than 0.3, and also novel, though they have low scores in ATGpr1 program, in which the number of the human EST having identical sequence at both 5'- and 3'-ends is 1 to 5.

(6) 65 clones

Among the 1857 clones, 65 clones are estimated to be full-length since, though they have low scores in both programs, ATGpr1 and ATGpr2, the scores are the maximum in comparison to those of the other clones in the same cluster (at least two clones). The clones are also novel, if at least either of the sequences of the 5'- and 3'-ends, or both are not identical to those of any human EST.

(7) 32 clones

Among the 1857 clones, 32 clones are estimated to be full-length since, though they have low scores in both programs, ATGpr1 and ATGpr2, the scores are the maximum in comparison to those of the other clones in the same cluster (at least two clones). The clones are also novel, if the number of the human EST having identical sequence at both 5'- and 3'-ends is 1 to 5.

(8) 36 clones

Among the 1857 clones, 36 clones are full-length, which were selected by assembling the sequences of the other clones or human EST, although they have low scores in both programs, ATGpr1 and ATGpr2. The clones are also novel, if at least either of the sequences of the 5'- and 3'-ends, or both are not identical to those of any human EST.

(9) 81 clones

Among the 1857 clones, 81 clones are full-length, which were selected by assembling the sequences of the other clones or human EST, although they have low scores in both programs, ATGpr1 and ATGpr2. The clones are also novel, if the number of the human EST having identical sequence at the 5'-end is not more than 20 (other than the clones in which at least either of the sequences of the 5'- and 3'-ends, or both are not identical to those of any human EST).

(10) 938 clones

Among the 1857 clones, 938 clones are estimated to be full-length according to the fullness ratio shown in Table 4, although they have low scores in both programs, ATGpr1 and ATGpr2. The clones are also novel, if at least the sequence of the 5'-end is not identical to those of any human EST.

(11) 228 clones

Among the 1857 clones, 228 clones are estimated to be full-length according to the fullness ratio shown in Table 7, although they have low scores in both programs, ATGpr1 and ATGpr2. The clones are also novel, if at least the sequence of the 3'-end is not identical to those of any human EST.

(12) 3 clones

Three clones, HEMBA1006812, HEMBB1001871, and NT2RP3001282, whose maximal ATGpr1 values are higher than 0.3, are full-length and novel clones whose 5'-end sequences presumably contain a coding region which is initiated with ATG codon and which encodes 100 amino acids or more.

(13) 52 clones

The following 52 clones, which have maximal ATGpr1 values of 0.3 or less, are full-length with the fullness ratios shown in Table 4 although the fullness ratios are low:

HEMBA1000497,	HEMBA1001750,	HEMBA1003854,	HEMBA1004193,	HEMBA1004860,	HEMBA1005572,
HEMBA1006038,	HEMBA1006092,	HEMBA1006406,	HEMBA1006650,	HEMBA1006672,	HEMBA1001197,
MAMMA1001252,	MAMMA1002094,	NT2RM4000634,	NT2RM4000657,	NT2RM4000783,	NT2RM4000857,
NT2RM4001178,	NT2RM4002420,	NT2RP2000198,	NT2RP2000551,	NT2RP2000660,	NT2RP2001214,
NT2RP2001460,	NT2RP2001756,	NT2RP2002056,	NT2RP2002677,	NT2RP2002755,	NT2RP2002843,
NT2RP2003101,	NT2RP2003799,	NT2RP2004095,	NT2RP2004732,	NT2RP2004920,	NT2RP2005454,
NT2RP2005776,	NT2RP2005806,	NT2RP2005882,	NT2RP3001723,	NT2RP3002099,	NT2RP3003155,
NT2RP3004028,	OVARC1000008,	OVARC1000724,	OVARC1000751,	OVARC1001029,	PLACE1000814,

PLACE1003030, PLACE1005549, PLACE1007218, NT2RP4002298.

Moreover, the clones are novel clones whose 5' -end sequences presumably contain a coding region which is initiated with ATG codon and which encodes 50 amino acids or more. Among them, the following 20 clones is predicted to contain a coding region with 100 amino acids or more and should encode proteins:

5 HEMBA1000497, HEMBA1003854, HEMBA1004193, NT2RM4000657, NT2RM4001178, NT2RP2001756, NT2RP2002677, NT2RP2002755, NT2RP2002843, NT2RP2004095, NT2RP2004920, NT2RP2005806, NT2RP3002099, NT2RP3003155, OVARC1000724, OVARC1001029, PLACE1000814, PLACE1003030, PLACE1005549, PLACE1007218.

10 [0039] The protein encoded by the polynucleotide of the invention can be prepared as a recombinant protein or as a natural protein. For example, the recombinant protein can be prepared by inserting the polynucleotide encoding the protein of the invention into a vector, introducing the vector into an appropriate host cell and purifying the protein expressed within the transformed host cell, as described below. In contrast, the natural protein can be prepared, for example, by utilizing an affinity column to which an antibody against the protein of the invention (Current Protocols in Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons, Section 16.1-16.19) is attached. The antibody used for affinity purification may be either a polyclonal antibody, or a monoclonal antibody. Alternatively, in vitro translation (See, for example, "On the fidelity of mRNA translation in the nuclease-treated rabbit reticulocyte lysate system." Dasso M.C., and Jackson R.J. (1989) Nucleic Acids Res. 17: 3129-3144) may be used for preparing the protein of the invention.

15 [0040] Proteins functionally equivalent to the proteins of the present invention can be prepared based on the activities, which were clarified in the above-mentioned manner, of the proteins of the present invention. Using the biological activity possessed by the protein of the invention as an index, it is possible to verify whether or not a particular protein is functionally equivalent to the protein of the invention by examining whether or not the protein has said activity.

20 [0041] Proteins functionally equivalent to the proteins of the present invention can be prepared by those skilled in the art, for example, by using a method for introducing mutations into an amino acid sequence of a protein (for example, site-directed mutagenesis (Current Protocols in Molecular Biology, edit, Ausubel et al., (1987) John Wiley & Sons, Section 8.1-8.5). Besides, such proteins can be generated by spontaneous mutations. The present invention comprises the proteins having one or more amino acids substitutions, deletions, insertions and/or additions in the amino acid sequences of the proteins of the present invention (Tables 350 and 351), as far as the proteins have the equivalent functions to those of the proteins identified in the present Examples described later.

25 [0042] There are no limitations in the number and sites of amino acid mutations, as far as the proteins maintain the functions thereof. The number of mutations is typically 30% or less, or 20% or less, or 10% or less, preferably within 5% or less, or 3% or less of the total amino acids, more preferably within 2% or less or 1 % or less of the total amino acids. From the viewpoint of maintaining the protein function, it is preferable that a substituted amino has a similar property to that of the original amino acid. For example, Ala, Val, Leu, Ile, Pro, Met, Phe and Trp are assumed to have similar properties to one another because they are all classified into a group of non-polar amino acids. Similarly, substitution can be performed among non-charged amino acid such as Gly, Ser, Thr, Cys, Tyr, Asn, and Gln, acidic amino acids such as Asp and Glu, and basic amino acids such as Lys, Arg, and His.

30 [0043] In addition, proteins functionally equivalent to the proteins of the present invention can be isolated by using techniques of hybridization or gene amplification known to those skilled in the art. Specifically, using the hybridization technique (Current Protocols in Molecular Biology, edit, Ausubel et al., (1987) John Wiley & Sons, Section 6.3-6.4)), those skilled in the art can usually isolate a DNA highly homologous to the DNA encoding the protein identified in the present Example based on the identified nucleotide sequence (Tables 350 and 351) or a portion thereof and obtain the functionally equivalent protein from the isolated DNA. The present invention include proteins encoded by the DNAs hybridizing with the DNAs encoding the proteins identified in the present Example, as far as the proteins are functionally equivalent to the proteins identified in the present Example. Organisms from which the functionally equivalent proteins are isolated are illustrated by vertebrates such as human, mouse, rat, rabbit, pig and bovine, but are not limited to these animals.

35 [0044] Washing conditions of hybridization for the isolation of DNAs encoding the functionally equivalent proteins are usually "1 × SSC, 0.1% SDS, 37°C"; more stringent conditions are "0.5 × SSC, 0.1% SDS, 42°C"; and still more stringent conditions are "0.1 × SSC, 0.1% SDS, 65°C". Alternatively, the following conditions can be given as hybridization conditions of the present invention. Namely, conditions in which the hybridization is done at "6 × SSC, 40% Formamide, 25°C", and the washing at "1 × SSC, 55°C" can be given. More preferable conditions are those in which the hybridization is done at "6 × SSC, 40% Formamide, 37°C", and the washing at "0.2 × SSC, 55°C". Even more preferable are those in which the hybridization is done at "6 × SSC, 50% Formamide, 37°C", and the washing at "0.1 × SSC, 62°C". The more stringent the conditions of hybridization are, the more frequently the DNAs highly homologous to the probe sequence are isolated. Therefore, it is preferable to conduct hybridization under stringent conditions. Examples of stringent conditions in the present invention are, washing conditions of "0.5 × SSC, 0.1% SDS, 42°C", or alternatively, hybridization conditions of "6 × SSC, 40% Formamide, 37°C", and the washing at "0.2 × SSC, 55°C". However, the above-mentioned combinations of SSC, SDS and temperature conditions are indicated just as examples.

Those skilled in the art can select the hybridization conditions with similar stringency to those mentioned above by properly combining the above-mentioned or other factors (for example, probe concentration, probe length and duration of hybridization reaction) that determines the stringency of hybridization.

[0045] The amino acid sequences of proteins isolated by using the hybridization techniques usually exhibit high
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homology to those of the proteins of the present invention, which are shown in Tables 350 and 351. The present invention encompasses a polynucleotide comprising a nucleotide sequence that has a high identity to the nucleotide sequence of claim 8 (a).

Furthermore, the present invention encompasses a peptide, or protein comprising an amino acid sequence that has a high identity to the amino acid sequence encoded by the polynucleotide of claim 8 (b). The term "high identity"
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indicates sequence identity of at least 40% or more; preferably 60% or more; and more preferably 70% or more. Alternatively, more preferable is identity of 90% or more, or 93% or more, or 95% or more, furthermore, 97% or more, or 99% or more. The identity can be determined by using the BLAST search algorithm.

[0046] With the gene amplification technique (PCR) (Current Protocols in Molecular Biology, edit, Ausubel et al.,
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(1987) John Wiley & Sons, Section 6.3-6.4)) using primers designed based on the nucleotide sequence (Tables 350 and 351) or a portion thereof identified in the present Example, it is possible to isolate a DNA fragment highly homologous to the polynucleotide sequence or a portion thereof and to obtain functionally equivalent protein to a particular protein identified in the present Example based on the isolated DNA fragment.

[0047] The "percent identity" of two amino acid sequences or of two nucleic acids is determined using the algorithm
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of Karlin and Altschul (Proc. Natl. Acad. Sci. USA 87:2264-2268, 1990), modified as in Karlin and Altschul (Proc. Natl. Acad. Sci. USA 90:5873-5877, 1993). Such an algorithm is incorporated into the BLASTN and BLASTX programs of Altschul et al. (J. Mol. Biol. 215:403-410, 1990). BLAST nucleotide searches are performed with the BLASTN program, score = 100, wordlength = 12. BLAST protein searches are performed with the BLASTX program, score = 50, wordlength = 3. When gaps exist between two sequences, Gapped BLAST is utilized as described in Altschul et al. (Nucleic
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Acids Res. 25:3389-3402, 1997). When utilizing BLAST and Gapped BLAST programs, the default parameters of the respective programs (e.g., BLASTX and BLASTN) are used. See <http://www.ncbi.nlm.nih.gov>.

[0048] The present invention also includes a partial peptide of the proteins of the invention. The partial peptide comprises a protein generated as a result that a signal peptide has been removed from a secretory protein. If the protein of the present invention has an activity as a receptor or a ligand, the partial peptide may function as a competitive
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inhibitor of the protein and may bind to the receptor (or ligand). In addition, the present invention comprises an antigen peptide for raising antibodies. For the peptides to be specific for the protein of the invention, the peptides comprise at least 7 amino acids, preferably 8 amino acids or more, more preferably 9 amino acids or more, and even more preferably 10 amino acids or more. The peptide can be used for preparing antibodies against the protein of the invention, or competitive inhibitors of them, and also screening for a receptor that binds to the protein of the invention. The partial
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peptides of the invention can be produced, for example, by genetic engineering methods, known methods for synthesizing peptides, or digesting the protein of the invention with an appropriate peptidase.

[0049] The present invention also relates to a vector into which the DNA of the invention is inserted. The vector of the invention is not limited as long as it contains the inserted DNA stably. For example, if *E. coli* is used as a host, vectors such as pBluescript vector (Stratagene) are preferable as a cloning vector. To produce the protein of the invention, expression vectors are especially useful. Any expression vector can be used as far as it is capable of expressing
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the protein *in vitro*, in *E. coli*, in cultured cells, or *in vivo*. For example, pBEST vector (Promega) is preferable for *in vitro* expression, pET vector (Invitrogen) for *E. coli*, pME18S-FL3 vector (GenBank Accession No. AB009864) for cultured cells, and pME18S vector (Mol. Cell. Biol. (1988) 8: 466-472) for *in vivo* expression. To insert the DNA of the invention, ligation utilizing restriction sites can be performed according to the standard method (Current Protocols in
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Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons, Section 11.4-11.11).

[0050] The present invention also relates to a transformant carrying the vector of the invention. Any cell can be used as a host into which the vector of the invention is inserted, and various kinds of host cells can be used depending on the purposes. For strong expression of the protein in eukaryotic cells, COS cells or CHO cells can be used, for example.

[0051] Introduction of the vector into host cells can be performed, for example, by calcium phosphate precipitation method, electroporation method (Current Protocols in Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons,
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Section 9.1-9.9), lipofectamine method (GIBCO-BRL), or microinjection method, etc.

[0052] The primer of the present invention can be used for synthesizing full-length cDNA, and also for the detection and/or diagnosis of the abnormality of the protein of the invention encoded by the full-length cDNA. For example, by utilizing polymerase chain reaction (genomic DNA-PCR, or RT-PCR) using the primer of the invention, DNA encoding
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the protein of the invention can be amplified. It is also possible to obtain the regulatory region of expression in the 5'-upstream by using PCR or hybridization since the transcription start site within the genomic sequence can be easily specified based on the 5'-end sequence of the full-length cDNA. The obtained genomic region can be used for detection and/or diagnosis of the abnormality of the sequence by RFLP analysis, SSCP, or direct sequencing.

[0053] Furthermore, the "polynucleotide having a length of at least 15 nucleotides, comprising a nucleotide sequence that is complementary to a polynucleotide comprising the nucleotide sequence set forth in any one of SEQ ID NOs in Tables 350 and 351, or its complementary strand" includes an antisense polynucleotide for suppressing the expression of the protein of the invention. To exert the antisense effect, the antisense polynucleotide has a length of at least 15 bp or more, for example, 50 bp or more, preferably 100 bp or more, and more preferably 500 bp or more, and has a length of usually 3000 bp or less and preferably 2000 bp or less. The antisense DNA can be used in the gene therapy of the diseases that are caused by the abnormality of the protein of the invention (abnormal function or abnormal expression). Said antisense DNA can be prepared, for example, by the phosphorothioate method ("Physicochemical properties of phosphorothioate oligodeoxynucleotides." Stein (1988) Nucleic Acids Res. 16: 3209-3221) based on the nucleotide sequence of the DNA encoding the protein (for example, the DNA set forth in any one of SEQ ID NOs in Tables 350 and 351).

[0054] The polynucleotide or antisense DNA of the present invention can be used in gene therapy, for example, by administering it into a patient by the in vivo or ex vivo method with virus vectors such as retrovirus vectors, adenovirus vectors, and adeno-associated virus vectors, or non-virus vectors such as liposome.

[0055] The present invention also relates to antibodies that bind to the protein of the invention. There are no limitations in the form of the antibodies of the invention. They include polyclonal antibodies, monoclonal antibodies, or their portions that can bind to the protein of the invention. They also include antibodies of all classes. Furthermore, special antibodies such as humanized antibodies are also included.

[0056] The polyclonal antibody of the invention can be obtained according to the standard method by synthesizing an oligopeptide corresponding to the amino acid sequence and immunizing rabbits with the peptides (Current Protocols in Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons, Section 11.12-11.13). The monoclonal antibody of the invention can be obtained according to the standard method by purifying the protein expressed in *E. coli*, immunizing mice with the protein, and producing a hybridoma cell by fusing the spleen cells and myeloma cells (Current Protocols in Molecular Biology (1987) Ausubel et al. edit, John Wiley & Sons, Section 11.4-11.11).

[0057] The antibody binding to the protein of the present invention can be used for purification of the protein of the invention, and also for detection and/or diagnosis of the abnormalities of the expression and structure of the protein. Specifically, proteins can be extracted, for example, from tissues, blood, or cells, and the protein of the invention is detected by Western blotting, immunoprecipitation, or ELISA, etc. for the above purpose.

[0058] Furthermore, the antibody binding to the protein of the present invention can be utilized for treating the diseases that associates with the protein of the invention. If the antibodies are used for treating patients, human antibodies or humanized antibodies are preferable in terms of their low antigenicity. The human antibodies can be prepared by immunizing a mouse whose immune system is replaced with that of human ("Functional transplant of megabase human immunoglobulin loci recapitulates human antibody response in mice" Mendez M.J. et al. (1997) Nat. Genet. 15: 146-156). The humanized antibodies can be prepared by recombination of the hypervariable region of a monoclonal antibody (Methods in Enzymology (1991) 203: 99-121).

[0059] The cDNA of the present invention encodes the amino acid sequence of a protein which is predicted to have the function(s) described below based on the homology search of the GenBank and SwissProt. Specifically, for instance, as shown in EXAMPLES, searching a known gene or protein that is homologous to the partial sequence of the full-length cDNA of the invention (5602 clone) and referring the function of the gene and of the protein encoded by the gene make it possible to predict the function of the protein encoded by the cDNA of the invention. In this way, each of 1437 clones out of the 5602 full-length cDNA clones of the invention was predicted to encode a protein that was classified into one or more of the following categories.

- Secretory or membrane protein (261 clones)
- Glycoprotein-associated protein (113 clones)
- Signal transduction-associated protein (148 clones)
- Transcription-associated protein (233 clones)
- Disease-associated protein (437 clones)
- Enzyme or metabolism-associated protein (301 clones)
- Cell division- or cell proliferation-associated protein (74 clones)
- Cytoskeleton-associated protein (92 clones)
- RNA synthesis-associated protein (280 clones)
- Nuclear protein (352 clones)
- Protein synthesis- or transport-associated protein (112 clones)
- Cellular defense-associated protein (23 clones)
- Development- or growth-associated protein (23 clones)

[0060] It is also possible to predict the protein function by looking into the amino acid sequence for the motifs such

as the signal sequence, transmembrane region, nuclear translocation signal, glycosylation signal, phosphorylation site, Zinc finger motif, and SH3 domain. The programs, PSORT (Nakai K., and Kanehisa M. (1992) *Genomics* 14: 897-911), SOSUI (Hirokawa T. et al. (1998) *Bioinformatics* 14: 378-379) (Mitsui Information Developing Inc.), and MEMSAT (Jones D.T., Taylor W.R., and Thornton J.M. (1994) *Biochemistry* 33: 3038-3049) can be used to predict the existence of the signal sequence or transmembrane region. Alternatively, a partial amino acid sequence of the protein is fused with another protein such as GFP, the fusion protein is transfected into cultured cells, and the localization is analyzed to predict the function of the original protein.

[0061] Based on the determined nucleotide sequences of the full-length cDNAs obtained in the present invention, it is possible to predict more detailed functions of the proteins encoded by the cDNA clones, for example, by searching the databases such as GenBank, Swiss-Prot and UniGene for homologies of the cDNAs; or by searching the amino acid sequences deduced from the full-length cDNAs for signal sequences by using software programs such as PSORT, for transmembrane regions by using software programs such as SOSUI or for motifs by using software programs such as Pfam (<http://www.sanger.ac.uk/Software/Pfam/index.shtml>) and PROSITE (<http://www.expasy.ch/prosite/>). As a matter of course, the functions are often predictable by using partial sequence information (preferably 300 nucleotides or more) instead of the full-length nucleotide sequences. However, the result of the prediction by using partial nucleotide sequence does not always agree with the result obtained by using full-length nucleotide sequence, and thus, it is needless to say that the prediction of function is preferably performed based on the full-length nucleotide sequences. GenBank, Swiss-Prot and UniGene databases were searched for homologies of the full-length nucleotide sequences of the 4997 clones (see Example 18). The amino acid sequences deduced from the full-length nucleotide sequences were searched for functional domains by PSORT, SOSUI and Pfam. Prediction of functions of proteins encoded by the clones and the categorization thereof were performed based on these results obtained.

The following 798 clones were categorized into secretory and/or membrane proteins.

HEMBA1000356,	HEMBA1000518,	HEMBA1000531,	HEMBA1000637,	HEMBA1000719,	HEMBA1000817,
HEMBA1000822,	HEMBA1000852,	HEMBA1000870,	HEMBA1000991,	HEMBA1001052,	HEMBA1001071,
HEMBA1001085,	HEMBA1001286,	HEMBA1001351,	HEMBA1001407,	HEMBA1001446,	HEMBA1001515,
HEMBA1001557,	HEMBA1001569,	HEMBA1001661,	HEMBA1001734,	HEMBA1001746,	HEMBA1001866,
HEMBA1002125,	HEMBA1002150,	HEMBA1002166,	HEMBA1002417,	HEMBA1002462,	HEMBA1002475,
HEMBA1002477,	HEMBA1002486,	HEMBA1002609,	HEMBA1002659,	HEMBA1002661,	HEMBA1002780,
HEMBA1002818,	HEMBA1002876,	HEMBA1002921,	HEMBA1003071,	HEMBA1003077,	HEMBA1003079,
HEMBA1003086,	HEMBA1003096,	HEMBA1003281,	HEMBA1003286,	HEMBA1003538,	HEMBA1003711,
HEMBA1003742,	HEMBA1003803,	HEMBA1004055,	HEMBA1004143,	HEMBA1004146,	HEMBA1004207,
HEMBA1004341,	HEMBA1004461,	HEMBA1004577,	HEMBA1004637,	HEMBA1004752,	HEMBA1004756,
HEMBA1004850,	HEMBA1004889,	HEMBA1004923,	HEMBA1004930,	HEMBA1005029,	HEMBA1005035,
HEMBA1005050,	HEMBA1005552,	HEMBA1005576,	HEMBA1005581,	HEMBA1005588,	HEMBA1005616,
HEMBA1005699,	HEMBA1005991,	HEMBA1006036,	HEMBA1006038,	HEMBA1006067,	HEMBA1006173,
HEMBA1006198,	HEMBA1006293,	HEMBA1006310,	HEMBA1006492,	HEMBA1006502,	HEMBA1006583,
HEMBA1006659,	HEMBA1006758,	HEMBA1006789,	HEMBA1006921,	HEMBA1006926,	HEMBA1006976,
HEMBA1007203,	HEMBA1007301,	HEMBA1000037,	HEMBA1000050,	HEMBA1000054,	HEMBA1000175,
HEMBA1000317,	HEMBA1000556,	HEMBA1000593,	HEMBA1000631,	HEMBA1000763,	HEMBA1000827,
HEMBA1000915,	HEMBA1000975,	HEMBA1001112,	HEMBA1001151,	HEMBA1001177,	HEMBA1001302,
HEMBA1001348,	HEMBA1001564,	HEMBA1001630,	HEMBA1001871,	HEMBA1001872,	HEMBA1001925,
HEMBA1001962,	HEMBA1002042,	HEMBA1002044,	HEMBA1002142,	HEMBA1002190,	HEMBA1002193,
HEMBA1002247,	HEMBA1002383,	HEMBA1002387,	HEMBA1002550,	HEMBA1002600,	HEMBA1002692,
MAMMA1000045,	MAMMA1000129,	MAMMA1000133,	MAMMA1000277,	MAMMA1000278,	MAMMA1000410,
MAMMA1000416,	MAMMA1000472,	MAMMA1000672,	MAMMA1000684,	MAMMA1000714,	MAMMA1000734,
MAMMA1000778,	MAMMA1000798,	MAMMA1000842,	MAMMA1000859,	MAMMA1000897,	MAMMA1000956,
MAMMA1001008,	MAMMA1001030,	MAMMA1001041,	MAMMA1001073,	MAMMA1001080,	MAMMA1001139,
MAMMA1001154,	MAMMA1001322,	MAMMA1001388,	MAMMA1001411,	MAMMA1001487,	MAMMA1001751,
MAMMA1001754,	MAMMA1001771,	MAMMA1002009,	MAMMA1002427,	MAMMA1002428,	MAMMA1002461,
MAMMA1002524,	MAMMA1002573,	MAMMA1002598,	MAMMA1002655,	MAMMA1002684,	MAMMA1002769,
MAMMA1002844,	MAMMA1002881,	MAMMA1002890,	MAMMA1002938,	MAMMA1002947,	MAMMA1003035,
MAMMA1003089,	MAMMA1003146,	MAMMA1003150,	NT2RM1000035,	NT2RM1000037,	NT2RM1000062,
NT2RM1000080,	NT2RM1000092,	NT2RM1000131,	NT2RM1000199,	NT2RM1000257,	NT2RM1000260,
NT2RM1000355,	NT2RM1000430,	NT2RM1000563,	NT2RM1000648,	NT2RM1000742,	NT2RM1000770,
NT2RM1000800,	NT2RM1000811,	NT2RM1000833,	NT2RM1000857,	NT2RM1000867,	NT2RM1000882,
NT2RM1000905,	NT2RM1001008,				
NT2RM1001115,	NT2RM1001139,	NT2RM2000259,	NT2RM2000260,	NT2RM2000287,	NT2RM2000395,
NT2RM2000402,	NT2RM2000407,	NT2RM2000422,	NT2RM2000490,	NT2RM2000522,	NT2RM2000566,

	NT2RM2000581,	NT2RM2000609,	NT2RM2000821,	NT2RM2001370,	NT2RM2001393,	NT2RM2001499,
	NT2RM2001547,	NT2RM2001613,	NT2RM2001648,	NT2RM2001659,	NT2RM2001671,	NT2RM2001688,
	NT2RM2001698,	NT2RM2001718,	NT2RM2001753,	NT2RM2001760,	NT2RM2001785,	NT2RM2001930,
	NT2RM2001950,	NT2RM2001997,	NT2RM2001998,	NT2RM2002049,	NT2RM2002145,	NT2RM4000233,
5	NT2RM4000433,	NT2RM4000457,	NT2RM4000486,	NT2RM4000496,	NT2RM4000520,	NT2RM4000634,
	NT2RM4000674,	NT2RM4000700,	NT2RM4000764,	NT2RM4000778,	NT2RM4000795,	NT2RM4000820,
	NT2RM4000857,	NT2RM4001032,	NT2RM4001054,	NT2RM4001116,	NT2RM4001455,	NT2RM4001666,
	NT2RM4001810,	NT2RM4001813,	NT2RM4001930,	NT2RM4001987,	NT2RM4002054,	NT2RM4002073,
	NT2RM4002145,	NT2RM4002146,	NT2RM4002189,	NT2RM4002194,	NT2RM4002251,	NT2RM4002339,
10	NT2RM4002438,	NT2RM4002446,	NT2RM4002452,	NT2RM4002460,	NT2RM4002493,	NT2RM4002558,
	NT2RM4002565,	NT2RM4002571,	NT2RM4002594,	NT2RP1000130,	NT2RP1000191,	NT2RP1000326,
	NT2RP1000358,	NT2RP1000413,	NT2RP1000418,	NT2RP1000547,	NT2RP1000609,	NT2RP1000677,
	NT2RP1000767,	NT2RP1000782,	NT2RP1000856,	NT2RP1001113,	NT2RP1001247,	NT2RP1001286,
	NT2RP1001310,	NT2RP1001311,	NT2RP1001313,	NT2RP1001385,	NT2RP1001449,	NT2RP1001546,
15	NT2RP1001569,	NT2RP2000032,	NT2RP2000040,	NT2RP2000056,	NT2RP2000070,	NT2RP2000091,
	NT2RP2000114,	NT2RP2000120,	NT2RP2000173,	NT2RP2000175,	NT2RP2000195,	NT2RP2000257,
	NT2RP2000270,	NT2RP2000283,	NT2RP2000288,	NT2RP2000289,	NT2RP2000459,	NT2RP2000516,
	NT2RP2000660,	NT2RP2000842,	NT2RP2000892,	NT2RP2001081,	NT2RP2001268,	NT2RP2001295,
	NT2RP2001366,	NT2RP2001378,	NT2RP2001576,	NT2RP2001581,	NT2RP2001597,	NT2RP2001613,
20	NT2RP2001947,	NT2RP2001991,	NT2RP2002025,	NT2RP2002066,	NT2RP2002078,	NT2RP2002105,
	NT2RP2002312,	NT2RP2002325,	NT2RP2002385,	NT2RP2002479,	NT2RP2002537,	NT2RP2002643,
	NT2RP2002701,	NT2RP2002740,	NT2RP2002857,	NT2RP2003125,	NT2RP2003297,	NT2RP2003433,
	NT2RP2003446,	NT2RP2003466,	NT2RP2003506,	NT2RP2003513,	NT2RP2003629,	NT2RP2003668,
	NT2RP2003760,	NT2RP2003777,	NT2RP2003781,	NT2RP2004041,	NT2RP2004142,	NT2RP2004194,
25	NT2RP2004270,	NT2RP2004300,	NT2RP2004392,	NT2RP2004655,	NT2RP2004681,	NT2RP2004775,
	NT2RP2004799,	NT2RP2004936,	NT2RP2004959,	NT2RP2005012,	NT2RP2005159,	NT2RP2005227,
	NT2RP2005270,	NT2RP2005344,	NT2RP2005465,	NT2RP2005509,	NT2RP2005752,	NT2RP2005781,
	NT2RP2005784,	NT2RP2005812,	NT2RP2006069,	NT2RP2006100,	NT2RP2006141,	NT2RP2006184,
	NT2RP2006261,	NT2RP2006565,	NT2RP2006571,	NT2RP2006573,	NT2RP3000092,	NT2RP3000109,
30	NT2RP3000134,	NT2RP3000207,	NT2RP3000333,	NT2RP3000341,	NT2RP3000393,	NT2RP3000439,
	NT2RP3000441,	NT2RP3000531,	NT2RP3000685,	NT2RP3000825,	NT2RP3000826,	NT2RP3000852,
	NT2RP3000919,	NT2RP3001084,	NT2RP3001096,	NT2RP3001126,	NT2RP3001140,	NT2RP3001176,
	NT2RP3001260,	NT2RP3001282,	NT2RP3001355,	NT2RP3001383,	NT2RP3001426,	NT2RP3001453,
	NT2RP3001497,	NT2RP3001538,	NT2RP3001589,	NT2RP3001642,	NT2RP3001708,	NT2RP3001716,
35	NT2RP3001727,	NT2RP3001739,	NT2RP3001799,	NT2RP3001943,	NT2RP3001944,	NT2RP3002002,
	NT2RP3002007,	NT2RP3002014,	NT2RP3002054,	NT2RP3002108,	NT2RP3002163,	NT2RP3002351,
	NT2RP3002455,	NT2RP3002549,	NT2RP3002602,	NT2RP3002628,	NT2RP3002650,	NT2RP3002687,
	NT2RP3002701,	NT2RP3002810,	NT2RP3002869,	NT2RP3002969,	NT2RP3002985,	NT2RP3003008,
	NT2RP3003059,	NT2RP3003071,	NT2RP3003101,	NT2RP3003145,	NT2RP3003197,	NT2RP3003203,
40	NT2RP3003242,	NT2RP3003302,	NT2RP3003353,	NT2RP3003409,	NT2RP3003576,	NT2RP3003621,
	NT2RP3003665,	NT2RP3003672,	NT2RP3003701,	NT2RP3003716,	NT2RP3003799,	NT2RP3003828,
	NT2RP3003914,	NT2RP3003918,	NT2RP3003992,	NT2RP3004051,	NT2RP3004148,	NT2RP3004155,
	NT2RP3004207,	NT2RP3004282,	NT2RP3004454,	NT2RP3004480,	NT2RP3004503,	NT2RP4000008,
	NT2RP4000051,	NT2RP4000151,	NT2RP4000212,	NT2RP4000243,	NT2RP4000259,	NT2RP4000323,
45	NT2RP4000417,	NT2RP4000500,	NT2RP4000524,	NT2RP4000556,	NT2RP4000560,	NT2RP4000588,
	NT2RP4000713,	NT2RP4000724,	NT2RP4000817,	NT2RP4000833,	NT2RP4000878,	NT2RP4000907,
	NT2RP4000925,	NT2RP4000928,	NT2RP4000973,	NT2RP4000989,	NT2RP4001057,	NT2RP4001064,
	NT2RP4001079,	NT2RP4001117,	NT2RP4001138,	NT2RP4001149,	NT2RP4001150,	NT2RP4001174,
	NT2RP4001219,	NT2RP4001274,	NT2RP4001313,	NT2RP4001345,	NT2RP4001372,	NT2RP4001373,
50	NT2RP4001379,	NT2RP4001498,	NT2RP4001547,	NT2RP4001571,	NT2RP4001574,	NT2RP4001644,
	NT2RP4001656,	NT2RP4001677,	NT2RP4001730,	NT2RP4001739,	NT2RP4001803,	NT2RP4001822,
	NT2RP4001823,	NT2RP4001950,	NT2RP4001975,	NT2RP4002052,	NT2RP4002075,	NT2RP5003500,
	NT2RP5003506,	NT2RP5003522,	NT2RP5003534,	OVARC1000060,	OVARC1000335,	OVARC1000682,
	OVARC1000689,	OVARC1000700,	OVARC1000722,	OVARC1000751,	OVARC1000850,	OVARC1000890,
55	OVARC1000924,	OVARC1000936,	OVARC1000959,	OVARC1000984,	OVARC1000999,	OVARC1001034,
	OVARC1001055,	OVARC1001117,	OVARC1001129,	OVARC1001154,	OVARC1001329,	OVARC1001381,
	OVARC1001391,	OVARC1001453,	OVARC1001476,	OVARC1001506,	OVARC1001610,	OVARC1001702,
	OVARC1001703,	OVARC1001713,	OVARC1001745,	OVARC1001767,	OVARC1002127,	OVARC1002138,

	OVARC1002158,	OVARC1002165,	PLACE1000014,	PLACE1000213,	PLACE1000401,	PLACE1000562,
	PLACE1000611,	PLACE1000656,	PLACE1000712,	PLACE1000793,	PLACE1000909,	PLACE1000948,
	PLACE1000977,	PLACE1001241,	PLACE1001257,	PLACE1001377,	PLACE1001517,	PLACE1001610,
	PLACE1001761,	PLACE1001771,	PLACE1001817,	PLACE1001983,	PLACE1002046,	PLACE1002140,
5	PLACE1002213,	PLACE1002395,	PLACE1002437,	PLACE1002500,	PLACE1002583,	PLACE1002714,
	PLACE1002722,	PLACE1002782,	PLACE1002794,	PLACE1002851,	PLACE1002908,	PLACE1003030,
	PLACE1003044,	PLACE1003045,	PLACE1003238,	PLACE1003296,	PLACE1003369,	PLACE1003420,
	PLACE1003493,	PLACE1003537,	PLACE1003553,	PLACE1003596,	PLACE1003760,	PLACE1003768,
	PLACE1003771,	PLACE1003903,	PLACE1004149,	PLACE1004197,	PLACE1004203,	PLACE1004258,
10	PLACE1004270,	PLACE1004277,	PLACE1004289,	PLACE1004473,	PLACE1004629,	PLACE1004646,
	PLACE1004743,	PLACE1004751,	PLACE1004793,	PLACE1004840,	PLACE1004969,	PLACE1005086,
	PLACE1005162,	PLACE1005206,	PLACE1005313,	PLACE1005467,	PLACE1005530,	PLACE1005595,
	PLACE1005611,	PLACE1005623,	PLACE1005763,	PLACE1005884,	PLACE1005890,	PLACE1005898,
	PLACE1005934,	PLACE1005953,	PLACE1006157,	PLACE1006225,	PLACE1006239,	PLACE1006288,
15	PLACE1006492,	PLACE1006534,	PLACE1006678,	PLACE1006754,	PLACE1006901,	PLACE1006935,
	PLACE1006956,	PLACE1007111,	PLACE1007243,	PLACE1007274,	PLACE1007282,	PLACE1007317,
	PLACE1007375,	PLACE1007386,	PLACE1007409,	PLACE1007416,	PLACE1007484,	PLACE1007583,
	PLACE1007632,	PLACE1007645,	PLACE1007649,	PLACE1007852,	PLACE1007877,	PLACE1007954,
	PLACE1008273,	PLACE1008309,	PLACE1008331,	PLACE1008402,	PLACE1008424,	PLACE1008429,
20	PLACE1008531,	PLACE1008532,	PLACE1008533,	PLACE1008568,	PLACE1008643,	PLACE1008693,
	PLACE1008715,	PLACE1009045,	PLACE1009094,	PLACE1009298,	PLACE1009319,	PLACE1009338,
	PLACE1009368,	PLACE1009493,	PLACE1009639,	PLACE1009659,	PLACE1009708,	PLACE1009731,
	PLACE1009845,	PLACE1009861,	PLACE1009935,	PLACE1009992,	PLACE1010089,	PLACE1010231,
	PLACE1010321,	PLACE1010362,	PLACE1010599,	PLACE1010622,	PLACE1010662,	PLACE1010811,
25	PLACE1010917,	PLACE1010942,	PLACE1010954,	PLACE1011090,	PLACE1011214,	PLACE1011221,
	PLACE1011371,	PLACE1011399,	PLACE1011492,	PLACE1011646,	PLACE1011749,	PLACE1011896,
	PLACE2000034,	PLACE2000062,	PLACE2000111,	PLACE2000132,	PLACE2000176,	PLACE2000187,
	PLACE2000216,	PLACE2000335,	PLACE2000341,	PLACE2000373,	PLACE2000379,	PLACE2000398,
	PLACE2000399,	PLACE2000425,	PLACE2000438,	PLACE2000458,	PLACE2000477,	PLACE3000020,
30	PLACE3000218,	PLACE3000226,	PLACE3000242,	PLACE3000244,	PLACE3000339,	PLACE3000373,
	PLACE3000399,	PLACE3000406,	PLACE3000413,	PLACE3000455,	PLACE4000052,	PLACE4000063,
	PLACE4000129,	PLACE4000247,	PLACE4000250,	PLACE4000259,	PLACE4000300,	PLACE4000387,
	PLACE4000431,	PLACE4000487,	PLACE4000494,	PLACE4000522,	PLACE4000548,	PLACE4000581,
	PLACE4000593,	PLACE4000650,	THYRO1000156,	THYRO1000327,	THYRO1000394,	THYRO1000395,
35	THYRO1000570,	THYRO1000748,	THYRO1000756,	THYRO1000783,	THYRO1001134,	THYRO1001271,
	THYRO1001287,	THYRO1001320,	THYRO1001401,	THYRO1001534,	THYRO1001537,	THYRO1001541,
	THYRO1001828,	Y79AA1000258,	Y79AA1000420,	Y79AA1000469,	Y79AA1000734,	Y79AA1000800,
	Y79AA1000976,	Y79AA1001023,	Y79AA1001177,	Y79AA1001384,	Y79AA1001394,	Y79AA1001603,
	Y79AA1001647,	Y79AA1001846,	Y79AA1001874,	Y79AA1002139,	Y79AA1002246,	Y79AA1002351,
40	Y79AA1002399,	Y79AA1002416,	MAMMA1002498,	NT2RM4002287		

[0062] The following 142 clones were categorized into glycoprotein-associated proteins.

	HEMBA1000156,	HEMBA1000518,	HEMBA1000852,	HEMBA1001071,	HEMBA1001286,	HEMBA1001661,
	HEMBA1001734,	HEMBA1001866,	HEMBA1003071,	HEMBA1003077,	HEMBA1003281,	HEMBA1003538,
	HEMBA1003679,	HEMBA1003866,	HEMBA1005576,	HEMBA1005581,	HEMBA1005699,	HEMBA1006038,
45	HEMBA1006976,	HEMBA1007301,	HEMBB1000317,	HEMBB1000915,	HEMBB1001871,	HEMBB1001872,
	HEMBB1002193,	MAMMA1000672,	MAMMA1000897,	MAMMA1001030,	MAMMA1001388,	MAMMA1002329,
	MAMMA1002428,	MAMMA1002573,	MAMMA1003150,	NT2RM1000648,	NT2RM1001115,	NT2RM2000260,
	NT2RM2000407,	NT2RM2000422,	NT2RM2000490,	NT2RM2001499,	NT2RM2001659,	NT2RM2001930,
	NT2RM4000820,	NT2RM4000857,	NT2RM4001810,	NT2RM4001813,	NT2RM4001987,	NT2RM4002145,
50	NT2RM4002189,	NT2RM4002251,	NT2RM4002460,	NT2RM4002558,	NT2RP1000677,	NT2RP1000782,
	NT2RP1000856,	NT2RP1001546,	NT2RP2000056,	NT2RP2000070,	NT2RP2001295,	NT2RP2001378,
	NT2RP2001597,	NT2RP2001991,	NT2RP2002025,	NT2RP2002078,	NT2RP2002385,	NT2RP2004587,
	NT2RP2004732,	NT2RP2005531,	NT2RP3000207,	NT2RP3000531,	NT2RP3000825,	NT2RP3001140,
	NT2RP3002810,	NT2RP3003672,	NT2RP3003701,	NT2RP3003716,	NT2RP3003914,	NT2RP3004148,
55	NT2RP4000212,	NT2RP4000417,	NT2RP4000724,	NT2RP4000817,	NT2RP4000925,	NT2RP4001150,
	NT2RP4001372,	NT2RP4001730,	NT2RP4001822,	NT2RP4001823,	NT2RP5003522,	OVARC1000091,
	OVARC1000288,	OVARC1000682,	OVARC1001055,	OVARC1001506,	OVARC1001713,	OVARC1002127,
	PLACE1000213,	PLACE1000401,	PLACE1002437,	PLACE1002583,		

	PLACE1002722,	PLACE1003045,	PLACE1003238,	PLACE1003258,	PLACE1003493,	PLACE1004197,
	PLACE1004793,	PLACE1005953,	PLACE1005955,	PLACE1006157,	PLACE1006239,	PLACE1006368,
	PLACE1006534,	PLACE1006754,	PLACE1006956,	PLACE1007416,	PLACE1007632,	PLACE1007649,
	PLACE1008643,	PLACE1009094,				
5	PLACE1009992,	PLACE1010231,	PLACE1010662,	PLACE1011371,	PLACE2000034,	PLACE2000373,
	PLACE2000398,	PLACE2000399,	PLACE2000438,	PLACE2000458,	PLACE3000339,	PLACE4000063,
	PLACE4000230,	PLACE4000522,	PLACE4000548,	PLACE4000581,	THYRO1000327,	THYRO1000756,
	THYRO1001287, Y79AA1001603, Y79AA1001874, MAMMA1002498					
	[0063] The following 140 clones were categorized into signal transduction-associated proteins.					
10	HEMBA1000303,	HEMBA1000369,	HEMBA1000608,	HEMBA1000657,	HEMBA1000919,	HEMBA1001019,
	HEMBA1001174,	HEMBA1001822,	HEMBA1001921,	HEMBA1002139,	HEMBA1002212,	HEMBA1002341,
	HEMBA1002417,	HEMBA1002768,	HEMBA1003250,	HEMBA1003291,	HEMBA1003645,	HEMBA1004286,
	HEMBA1005737,	HEMBA1006130,	HEMBA1006708,	HEMBA1000083,	HEMBA1000266,	HEMBA1000632,
	HEMBA1000781, HEMBA1000831, HEMBA1002193, MAMMA1000173, MAMMA1001038,					
15	MAMMA1001198,	MAMMA1002842,	MAMMA1003057,	NT2RM1000702,	NT2RM1000772,	NT2RM1001072,
	NT2RM2000030,	NT2RM2000469,	NT2RM2000612,	NT2RM2001221,	NT2RM2001345,	NT2RM2002128,
	NT2RM4000229,	NT2RM4000354,	NT2RM4000611,	NT2RM4000798,	NT2RM4001411,	NT2RM4001412,
	NT2RM4001629,	NT2RM4001758,	NT2RM4002013,	NT2RM4002527,	NT2RP1000018,	NT2RP1000701,
	NT2RP1001294,	NT2RP1001302,	NT2RP2000668,	NT2RP2001440,	NT2RP2001560,	NT2RP2002058,
20	NT2RP2002193,	NT2RP2002408,	NT2RP2002710,	NT2RP2002929,	NT2RP2003164,	NT2RP2003912,
	NT2RP2004232,	NT2RP2004768,	NT2RP2006071,	NT2RP2006534,	NT2RP3000759,	NT2RP3000845,
	NT2RP3001646,	NT2RP3001857,	NT2RP3001938,	NT2RP3002004,	NT2RP3002785,	NT2RP3002909,
	NT2RP3002988,	NT2RP3003800,	NT2RP3004189,	NT2RP3004544,	NT2RP4000147,	NT2RP4000839,
	NT2RP4001122,	NT2RP4001148,	NT2RP4001336,	NT2RP4001375,	NT2RP4001644,	NT2RP4001725,
25	NT2RP4001849,	NT2RP4001896,	NT2RP4001927,	NT2RP4002408,	NT2RP5003477,	OVARC1000013,
	OVARC1000437, OVARC1000556, OVARC1000649, OVARC1000945, OVARC1001200,					
	OVARC1002182,	PLACE1000977,	PLACE1001387,	PLACE1002493,	PLACE1002591,	PLACE1003190,
	PLACE1003353,	PLACE1004128,	PLACE1004302,	PLACE1004937,	PLACE1005243,	PLACE1008000,
	PLACE1008244,	PLACE1008650,	PLACE1009468,	PLACE1009596,	PLACE1009708,	PLACE1009845,
30	PLACE1010926, PLACE1011041, PLACE2000164, PLACE2000371, PLACE3000145, PLACE3000350, THYRO					
	1000072, THYRO1000748, THYRO1001120, Y79AA1000328, Y79AA1002431, HEMBA1001247, NT2RM2001813,					
	NT2RM4001454, NT2RP2005140, NT2RP2005293, NT2RP3000487, NT2RP3003311, PLACE1000972,					
	PLACE1003723, PLACE1005327, PLACE3000124,					
	[0064] The following 321 clones were categorized into transcription -associated proteins.					
35	HEMBA1000158,	HEMBA1000201,	HEMBA1000216,	HEMBA1000555,	HEMBA1000561,	HEMBA1000851,
	HEMBA1001077,	HEMBA1001137,	HEMBA1001405,	HEMBA1001510,	HEMBA1001635,	HEMBA1001804,
	HEMBA1001809,	HEMBA1001819,	HEMBA1001847,	HEMBA1001869,	HEMBA1002035,	HEMBA1002092,
	HEMBA1002177,	HEMBA1002770,	HEMBA1002935,	HEMBA1003408,	HEMBA1003545,	HEMBA1003568,
	HEMBA1003662,	HEMBA1003684,	HEMBA1003760,	HEMBA1003953,	HEMBA1004097,	HEMBA1004321,
40	HEMBA1004353,	HEMBA1004389,	HEMBA1004479,	HEMBA1004758,	HEMBA1004973,	HEMBA1005219,
	HEMBA1005359,	HEMBA1005513,	HEMBA1005528,	HEMBA1005548,	HEMBA1005558,	HEMBA1005931,
	HEMBA1006158,	HEMBA1006248,	HEMBA1006278,	HEMBA1006283,	HEMBA1006347,	HEMBA1006359,
	HEMBA1006559,	HEMBA1006941,	HEMBA1000789,	HEMBA1001011,	HEMBA1001314,	HEMBA1001482,
	HEMBA1001673,	HEMBA1001749,	HEMBA1001839,	HEMBA1001908,	HEMBA1002134,	HEMBA1002217,
45	HEMBA1002342,	HEMBA1002607,	MAMMA1000183,	MAMMA1000388,	MAMMA1001105,	MAMMA1001222,
	MAMMA1001260,	MAMMA1001627,	MAMMA1001633,	MAMMA1001743,	MAMMA1001820,	MAMMA1001837,
	MAMMA1002617,	MAMMA1002650,	MAMMA1002937,	NT2RM1000055,	NT2RM1000086,	NT2RM1000746,
	NT2RM1000885,	NT2RM1000894,	NT2RM1001092,	NT2RM2000013,	NT2RM2000452,	NT2RM2000735,
	NT2RM2000740,	NT2RM2001035,	NT2RM2001105,	NT2RM2001575,	NT2RM2001670,	NT2RM2001716,
50	NT2RM2001771,	NT2RM2002091,	NT2RM4000024,	NT2RM4000046,	NT2RM4000104,	NT2RM4000202,
	NT2RM4000531, NT2RM4000595, NT2RM4000733, NT2RM4000734,					
	NT2RM4000741,	NT2RM4000751,	NT2RM4000996,	NT2RM4001092,	NT2RM4001140,	NT2RM4001200,
	NT2RM4001483,	NT2RM4001592,	NT2RM4001783,	NT2RM4001823,	NT2RM4001828,	NT2RM4001858,
	NT2RM4001979,	NT2RM4002066,	NT2RP1000086,	NT2RP1000111,	NT2RP1000574,	NT2RP1000902,
55	NT2RP1001013,	NT2RP2000008,	NT2RP2000126,	NT2RP2000297,	NT2RP2000420,	NT2RP2001174,
	NT2RP2001233,	NT2RP2001756,	NT2RP2001869,	NT2RP2002046,	NT2RP2002252,	NT2RP2002270,
	NT2RP2002464,	NT2RP2002503,	NT2RP2002520,	NT2RP2002591,	NT2RP2002880,	NT2RP2002939,
	NT2RP2002993,	NT2RP2003243,	NT2RP2003329,	NT2RP2003347,	NT2RP2003480,	NT2RP2003522,

	NT2RP2003564,	NT2RP2003714,	NT2RP2004013,	NT2RP2004066,	NT2RP2004187,	NT2RP2004920,
	NT2RP2004961,	NT2RP2005003,	NT2RP2005139,	NT2RP2005325,	NT2RP2005496,	NT2RP2005701,
	NT2RP2005722,	NT2RP2005776,	NT2RP2005942,	NT2RP2006238,	NT2RP2006436,	NT2RP3000050,
	NT2RP3000320,	NT2RP3000512,	NT2RP3000527,	NT2RP3000590,	NT2RP3000603,	NT2RP3000605,
5	NT2RP3000632,	NT2RP3001057,	NT2RP3001107,	NT2RP3001111,	NT2RP3001120,	NT2RP3001150,
	NT2RP3001268,	NT2RP3001338,	NT2RP3001398,	NT2RP3001527,	NT2RP3001688,	NT2RP3001855,
	NT2RP3002165,	NT2RP3002399,	NT2RP3002876,	NT2RP3003133,	NT2RP3003193,	NT2RP3003251,
	NT2RP3003313,	NT2RP3003327,	NT2RP3003555,	NT2RP3004016,	NT2RP3004125,	NT2RP3004242,
10	NT2RP3004428,	NT2RP3004498,	NT2RP3004566,	NT2RP3004617,	NT2RP4000210,	NT2RP4000398,
	NT2RP4000455,	NT2RP4000648,	NT2RP4000837,	NT2RP4000865,	NT2RP4000997,	NT2RP4001029,
	NT2RP4001080,	NT2RP4001213,	NT2RP4001433,	NT2RP4001529,	NT2RP4001551,	NT2RP4001568,
	NT2RP4001638,	NT2RP4001753,	NT2RP4001760,	NT2RP4001790,	NT2RP4001838,	NT2RP4001938,
	NT2RP4002078,	NT2RP4002081,	NT2RP5003461,	OVARC1000151,	OVARC1000241,	OVARC1000479,
	OVARC1001271,	OVARC1001417,	OVARC1001436,	PLACE1000133,	PLACE1000583,	PLACE1000706,
15	PLACE1000786,	PLACE1000979,	PLACE1001118,	PLACE1001238,	PLACE1001294,	PLACE1001304,
	PLACE1001383,	PLACE1001602,	PLACE1001632,	PLACE1002171,	PLACE1002438,	PLACE1002450,
	PLACE1002532,	PLACE1002775,	PLACE1002834,	PLACE1003302,	PLACE1003605,	PLACE1003738,
	PLACE1003885,	PLACE1004471,	PLACE1005584,	PLACE1005803,	PLACE1005966,	PLACE1006167,
	PLACE1006318,	PLACE1006438,	PLACE1006482,	PLACE1007239,	PLACE1007346,	PLACE1007488,
20	PLACE1007547,	PLACE1007598,	PLACE1007955,	PLACE1008132,	PLACE1008201,	PLACE1009099,
	PLACE1009246,	PLACE1009308,	PLACE1009398,	PLACE1009798,	PLACE1010134,	PLACE1010702,
	PLACE1010771,	PLACE1010870,	PLACE1011160,	PLACE1011433,	PLACE1011576,	PLACE3000009,
	PLACE3000169,	PLACE3000254,	PLACE4000128,	PLACE4000156,	PLACE4000192,	PLACE4000211,
	PLACE4000261,	PLACE4000450,	PLACE4000489,	THYRO1000085,	THYRO1000121,	THYRO1000242,
25	THYRO1000488,	THYRO1000501,	THYRO1000569,	THYRO1001100,	THYRO1001189,	THYRO1001809,
	Y79AA1000033,	Y79AA1000037,	Y79AA1000342,	Y79AA1000627,	Y79AA1000705,	Y79AA1001299,
	Y79AA1001312,	Y79AA1001391,	Y79AA1001533,	Y79AA1001613,	Y79AA1001866,	Y79AA1002103,
	Y79AA1002229,	Y79AA1002433,	Y79AA1002472,	Y79AA1002482,	HEMBA1003257,	NT2RM2000101,
	NT2RM2001797,	NT2RP1000101,	NT2RP2002208,	NT2RP3001214,	NT2RP3003278,	NT2RP4001235,
30	PLACE1000050,	PLACE1001716,	PLACE1002499,	PLACE1007544,		
	[0065] The following 392 clones were categorized into disease-associated proteins.					
	HEMBA1000020,	HEMBA1000216,	HEMBA1000304,	HEMBA1000561,	HEMBA1000569,	HEMBA1000910,
	HEMBA1001043,	HEMBA1001059,	HEMBA1001071,	HEMBA1001088,	HEMBA1001569,	HEMBA1001661,
	HEMBA1001672,	HEMBA1001819,	HEMBA1001921,	HEMBA1002267,	HEMBA1002419,	HEMBA1002469,
35	HEMBA1002547,	HEMBA1002555,	HEMBA1002810,	HEMBA1002939,	HEMBA1002997,	HEMBA1003148,
	HEMBA1003369,	HEMBA1003417,	HEMBA1003418,	HEMBA1003433,	HEMBA1003538,	HEMBA1003555,
	HEMBA1003568,	HEMBA1003569,	HEMBA1003581,	HEMBA1004168,	HEMBA1004202,	HEMBA1004248,
	HEMBA1004275,	HEMBA1004321,	HEMBA1004353,	HEMBA1004356,	HEMBA1004479,	HEMBA1004509,
	HEMBA1004669,	HEMBA1005009,	HEMBA1005338,	HEMBA1005367,	HEMBA1005423,	HEMBA1005528,
40	HEMBA1005581,	HEMBA1005621,	HEMBA1005699,	HEMBA1006507,	HEMBA1006650,	HEMBA1006652,
	HEMBA1006737,	HEMBA1006807,	HEMBA1006877,	HEMBA1007121,	HEMBA1007243,	HEMBA1007243,
	HEMBA1006933,	HEMBA1006927,	HEMBA1006985,	HEMBA1007121,	HEMBA1007243,	HEMBA1007243,
	HEMBA1006933,	HEMBA10069				

	NT2RP2001520,	NT2RP2001536,	NT2RP2001876,	NT2RP2001898,	NT2RP2002025,	NT2RP2002058,
	NT2RP2002124,	NT2RP2002325,	NT2RP2002503,	NT2RP2002959,	NT2RP2003000,	NT2RP2003157,
	NT2RP2003164,	NT2RP2003228,	NT2RP2003295,	NT2RP2003517,	NT2RP2003564,	NT2RP2003604,
	NT2RP2003714,	NT2RP2003737,	NT2RP2003952,	NT2RP2004013,	NT2RP2004170,	NT2RP2004587,
5	NT2RP2004732,	NT2RP2004933,	NT2RP2005003,	NT2RP2005144,	NT2RP2005239,	NT2RP2005276,
	NT2RP2005288,	NT2RP2005315,	NT2RP2005325,	NT2RP2005336,	NT2RP2005358,	NT2RP2005407,
	NT2RP2005436,	NT2RP2005476,	NT2RP2005525,	NT2RP2005694,	NT2RP2005719,	NT2RP2006043,
	NT2RP2006071,	NT2RP2006219,	NT2RP2006312,	NT2RP2006456,	NT2RP3000050,	NT2RP3000068,
10	NT2RP3000085,	NT2RP3000299,	NT2RP3000403,	NT2RP3000596,	NT2RP3000739,	NT2RP3000753,
	NT2RP3000875,	NT2RP3001057,	NT2RP3001081,	NT2RP3001216,	NT2RP3001307,	NT2RP3001338,
	NT2RP3001427,	NT2RP3001428,	NT2RP3001679,	NT2RP3001723,	NT2RP3001855,	NT2RP3001898,
	NT2RP3001969,	NT2RP3002056,	NT2RP3002062,	NT2RP3002151,	NT2RP3002351,	NT2RP3002399,
	NT2RP3002953,	NT2RP3002988,	NT2RP3003078,	NT2RP3003251,	NT2RP3003282,	NT2RP3003313,
	NT2RP3003327,	NT2RP3003409,	NT2RP3003672,	NT2RP3003831,	NT2RP3004016,	NT2RP3004078,
15	NT2RP3004209,	NT2RP3004258,	NT2RP3004490,	NT2RP3004534,	NT2RP3004569,	NT2RP3004572,
	NT2RP4000109,	NT2RP4000367,	NT2RP4000376,	NT2RP4000449,	NT2RP4000855,	NT2RP4000879,
	NT2RP4000925,	NT2RP4001086,	NT2RP4001126,	NT2RP4001150,	NT2RP4001213,	NT2RP4001276,
	NT2RP4001407,	NT2RP4001433,	NT2RP4001483,	NT2RP4001575,	NT2RP4001760,	NT2RP4001861,
	NT2RP4002078,	NT2RP4002791,	OVARC1000014,	OVARC1000139,	OVARC1000520,	OVARC1000722,
20	OVARC1000771,	OVARC1000834,	OVARC1001051,	OVARC1001113,	OVARC1001244,	OVARC1001372,
	OVARC1001417,	OVARC1001496,	OVARC1001506,	OVARC1001577,	OVARC1001726,	OVARC1001766,
	OVARC1001809,	OVARC1002165,	PLACE1000133,	PLACE1000383,	PLACE1000420,	PLACE1000583,
	PLACE1000588,	PLACE1001171,	PLACE1001387,	PLACE1001602,	PLACE1002046,	PLACE1002140,
	PLACE1002437,	PLACE1002474,	PLACE1002685,	PLACE1002782,	PLACE1002834,	PLACE1002908,
25	PLACE1003045,	PLACE1003302,	PLACE1003353,	PLACE1003366,	PLACE1003493,	PLACE1003669,
	PLACE1003704,	PLACE1003903,	PLACE1003968,	PLACE1004183,	PLACE1004197,	PLACE1004277,
	PLACE1004316,	PLACE1004358,	PLACE1004471,	PLACE1004506,	PLACE1004510,	PLACE1004674,
	PLACE1004777,	PLACE1004814,	PLACE1005494,	PLACE1006040,	PLACE1006170,	PLACE1006438,
	PLACE1006615,	PLACE1007140,	PLACE1007239,	PLACE1007257,	PLACE1007511,	PLACE1007598,
30	PLACE1008177,	PLACE1008356,	PLACE1008402,	PLACE1008696,	PLACE1009027,	PLACE1009113,
	PLACE1009158,	PLACE1009444,	PLACE1009524,	PLACE1010529,	PLACE1010870,	PLACE1010896,
	PLACE1011635,	PLACE1011858,	PLACE1011922,	PLACE2000015,	PLACE2000072,	PLACE2000216,
	PLACE2000399,	PLACE2000438,	PLACE2000458,	PLACE3000242,	PLACE4000009,	PLACE4000014,
35	PLACE4000156,	PLACE4000369,	SKNMC1000046,	SKNMC1000050,	THYRO1000034,	THYRO1000327,
	THYRO1000343,	THYRO1000358,	THYRO1000501,	THYRO1000662,	THYRO1000684,	THYRO1000748,
	THYRO1000934,	THYRO1001120,	THYRO1001189,	THYRO1001204,	THYRO1001458,	THYRO1001617,
	THYRO1001671,	Y79AA1000346,	Y79AA1000469,	Y79AA1000560,	Y79AA1000734,	Y79AA1000782,
	Y79AA1001391,	Y79AA1001548,	Y79AA1001594,	Y79AA1001711,	Y79AA1001874,	Y79AA1002204,
	Y79AA1002210,	Y79AA1002258,	Y79AA1002472,	Y79AA1002482,		
40	[0066] The following 427 clones presumably belong to enzymes and/or metabolism-associated proteins.					
	HEMBA1000012,	HEMBA1000129,	HEMBA1000141,	HEMBA1000150,	HEMBA1000542,	HEMBA1000852,
	HEMBA1001019,	HEMBA1001257,	HEMBA1001526,	HEMBA1001620,	HEMBA1001866,	HEMBA1001896,
	HEMBA1002212,	HEMBA1002513,	HEMBA1002746,	HEMBA1002973,	HEMBA1003046,	HEMBA1003136,
	HEMBA1003179,	HEMBA1003250,	HEMBA1003291,	HEMBA1003408,	HEMBA1003538,	HEMBA1003679,
45	HEMBA1003680,	HEMBA1004199,	HEMBA1004227,	HEMBA1004408,	HEMBA1004509,	HEMBA1004734,
	HEMBA1004768,	HEMBA1005394,	HEMBA1005513,	HEMBA1005737,	HEMBA1005815,	HEMBA1006031,
	HEMBA1006272,	HEMBA1006278,	HEMBA1006291,	HEMBA1006309,	HEMBA1006347,	HEMBA1006485,
	HEMBA1006521,	HEMBA1006624,	HEMBA1006885,	HEMBA1006976,	HEMBA1007121,	HEMBA1007224,
	HEMBA1007243,	HEMBA1007300,	HEMBA1000083,	HEMBA1000217,	HEMBA1000915,	HEMBA1000947,
50	HEMBA1001137,	HEMBA1001346,	HEMBA1001429,	HEMBA1001443,	HEMBA1001915,	HEMBA1001950,
	HEMBA1002042,	MAMMA1000020,	MAMMA1000085,	MAMMA1000672,	MAMMA1000713,	MAMMA1000841,
	MAMMA1000897,	MAMMA1001008,	MAMMA1001038,	MAMMA1001059,	MAMMA1001476,	MAMMA1001501,
	MAMMA1002268,	MAMMA1002470,	MAMMA1002530,	MAMMA1002573,	MAMMA1002619,	MAMMA1002655,
	MAMMA1002671,	MAMMA1003013,	MAMMA1003035,	NT2RM1000039,	NT2RM1000132,	NT2RM1000153,
55	NT2RM1000256,	NT2RM1000280,	NT2RM1000377,	NT2RM1000553,	NT2RM1000648,	NT2RM1000702,
	NT2RM1000894,	NT2RM1001072,	NT2RM1001115,	NT2RM2000013,	NT2RM2000092,	NT2RM2000322,
	NT2RM2000368,	NT2RM2000371,	NT2RM2000469,	NT2RM2000504,	NT2RM2000577,	NT2RM2000594,
	NT2RM2000951,	NT2RM2001238,	NT2RM2001547,	NT2RM2001632,	NT2RM2001664,	NT2RM2001698,

	NT2RM2001700,	NT2RM2001730,	NT2RM2001782,	NT2RM2001803,	NT2RM2001886,	NT2RM2001935,
	NT2RM2001997,	NT2RM2002030,	NT2RM2002128,	NT2RM4000024,	NT2RM4000155,	NT2RM4000344,
	NT2RM4000471,	NT2RM4000616,	NT2RM4000657,	NT2RM4000712,	NT2RM4000820,	NT2RM4001313,
	NT2RM4001316,	NT2RM4001444,	NT2RM4001592,	NT2RM4001758,	NT2RM4001819,	NT2RM4001880,
5	NT2RM4002062,	NT2RM4002063,	NT2RM4002189,	NT2RM4002213,	NT2RM4002251,	NT2RM4002409,
	NT2RM4002532,	NT2RM4002623,	NT2RP1000376,	NT2RP1000443,	NT2RP1000522,	NT2RP1000834,
	NT2RP1000947,	NT2RP1001079,	NT2RP1001185,	NT2RP1001253,	NT2RP1001361,	NT2RP1001543,
	NT2RP2000056,	NT2RP2000114,	NT2RP2000183,	NT2RP2000248,	NT2RP2000329,	NT2RP2000422,
	NT2RP2000448,	NT2RP2000668,	NT2RP2000710,	NT2RP2000816,	NT2RP2001070,	NT2RP2001392,
10	NT2RP2001601,	NT2RP2001663,	NT2RP2001740,	NT2RP2001748,	NT2RP2001898,	NT2RP2002124,
	NT2RP2002256,	NT2RP2002609,	NT2RP2002618,	NT2RP2002959,	NT2RP2002993,	NT2RP2003230,
	NT2RP2003286,	NT2RP2003401,	NT2RP2003506,	NT2RP2003543,	NT2RP2003643,	NT2RP2003702,
	NT2RP2003704,	NT2RP2003713,	NT2RP2003737,	NT2RP2003840,	NT2RP2003912,	NT2RP2003952,
	NT2RP2004098,	NT2RP2004239,	NT2RP2004245,	NT2RP2004768,	NT2RP2004791,	NT2RP2004799,
15	NT2RP2004933,	NT2RP2005038,	NT2RP2005139,	NT2RP2005162,	NT2RP2005204,	NT2RP2005239,
	NT2RP2005276,	NT2RP2005344,	NT2RP2005360,	NT2RP2005457,	NT2RP2005498,	NT2RP2005549,
	NT2RP2005557,	NT2RP2005605,	NT2RP2005635,	NT2RP2005723,	NT2RP2005773,	NT2RP2005775,
	NT2RP2005776,	NT2RP2005784,	NT2RP2005835,	NT2RP2005942,	NT2RP2006534,	NT2RP2006571,
	NT2RP2006573,	NT2RP3000031,	NT2RP3000085,	NT2RP3000207,	NT2RP3000359,	NT2RP3000578,
20	NT2RP3000742,	NT2RP3000845,	NT2RP3000875,	NT2RP3000917,	NT2RP3001055,	NT2RP3001221,
	NT2RP3001495,	NT2RP3001898,	NT2RP3001938,	NT2RP3002303,	NT2RP3002351,	NT2RP3002501,
	NT2RP3002602,	NT2RP3002628,	NT2RP3002663,	NT2RP3003301,	NT2RP3003385,	NT2RP3003490,
	NT2RP3003659,	NT2RP3003825,	NT2RP3003831,	NT2RP3003846,	NT2RP3003914,	NT2RP3004148,
	NT2RP3004209,	NT2RP3004378,	NT2RP3004669,	NT2RP3004670,	NT2RP4000259,	NT2RP4000312,
25	NT2RP4000367,	NT2RP4000417,	NT2RP4000457,	NT2RP4000657,	NT2RP4000817,	NT2RP4000855,
	NT2RP4000879,	NT2RP4000927,	NT2RP4000973,	NT2RP4000997,	NT2RP4001041,	NT2RP4001079,
	NT2RP4001095,	NT2RP4001143,	NT2RP4001219,	NT2RP4001375,	NT2RP4001389,	NT2RP4001483,
	NT2RP4001555,	NT2RP4001592,	NT2RP4001644,	NT2RP4001730,	NT2RP4001946,	NT2RP4002408,
	NT2RP5003500,	NT2RP5003522,	OVARC1000013,	OVARC1000060,	OVARC1000139,	OVARC1000288,
30	OVARC1000309,	OVARC1000473,	OVARC1000556,	OVARC1000682,	OVARC1000722,	OVARC1000751,
	OVARC1000885,	OVARC1000915,	OVARC1001107,	OVARC1001713,	OVARC1001762,	OVARC1001809,
	OVARC1001942,	OVARC1002156,	OVARC1002165,	PLACE1000007,	PLACE1000142,	PLACE1000185,
	PLACE1000213,	PLACE1000383,	PLACE1000420,	PLACE1000547,	PLACE1000653,	PLACE1000755,
	PLACE1001054,	PLACE1001062,	PLACE1001672,	PLACE1001692,	PLACE1001748,	PLACE1001781,
35	PLACE1001817,	PLACE1001869,	PLACE1001989,	PLACE1002073,	PLACE1002598,	PLACE1002908,
	PLACE1002991,	PLACE1003174,	PLACE1003176,	PLACE1003709,	PLACE1003885,	PLACE1003888,
	PLACE1003903,	PLACE1003915,	PLACE1004270,	PLACE1004428,	PLACE1004437,	PLACE1004751,
	PLACE1004804,	PLACE1004918,	PLACE1005243,	PLACE1005305,	PLACE1005373,	PLACE1005656,
	PLACE1005763,	PLACE1005804,	PLACE1005953,	PLACE1005955,	PLACE1006011,	PLACE1006469,
40	PLACE1006534,	PLACE1006626,	PLACE1006731,	PLACE1006819,	PLACE1006829,	PLACE1006878,
	PLACE1007226,	PLACE1007416,	PLACE1007649,	PLACE1007706,	PLACE1007729,	PLACE1007954,
	PLACE1007958,	PLACE1008111,	PLACE1008275,	PLACE1008330,	PLACE1008643,	PLACE1009094,
	PLACE1009130,	PLACE1009444,	PLACE1009763,	PLACE1009861,	PLACE1009992,	PLACE1009997,
	PLACE1010096,	PLACE1010362,	PLACE1010481,	PLACE1010662,	PLACE1011046,	PLACE1011219,
45	PLACE1011229,	PLACE1011332,	PLACE1011635,	PLACE1011923,	PLACE2000021,	PLACE2000034,
	PLACE2000398,	PLACE2000404,	PLACE2000438,	PLACE3000009,	PLACE3000020,	PLACE3000059,
	PLACE3000147,	PLACE3000339,	PLACE3000350,	PLACE4000063,	PLACE4000100,	PLACE4000401,
	PLACE4000548,	PLACE4000654,	SKNMC1000050,	THYRO1000072,	THYRO1000197,	THYRO1000288,
	THYRO1000605,	THYRO1000662,	THYRO1000756,	THYRO1000852,	THYRO1000926,	THYRO1000934,
50	THYRO1000951,	THYRO1000983,	THYRO1001003,	THYRO1001287,	THYRO1001374,	THYRO1001406,
	THYRO1001617,	THYRO1001671,	THYRO1001738,	Y79AA1000782,	Y79AA1001048,	Y79AA1001233,
	Y79AA1001394,	Y79AA1001493,	Y79AA1001548,	Y79AA1001581,	Y79AA1001603,	Y79AA1001827,
	Y79AA1002027,	Y79AA1002209,	Y79AA1002211,	Y79AA1002361,	Y79AA1002416,	HEMBA1005732,
	MAMMA1000402,					
55	[0067] The following 217 clones presumably belong to ATP- and/or GTP-binding proteins.					
	HEMBA1000012,	HEMBA1000129,	HEMBA1000185,	HEMBA1000491,	HEMBA1000531,	HEMBA1001019,
	HEMBA1001174,	HEMBA1001387,	HEMBA1001595,	HEMBA1001723,	HEMBA1001913,	HEMBA1002161,
	HEMBA1002212,	HEMBA1002876,	HEMBA1002997,	HEMBA1003250,	HEMBA1003291,	HEMBA1003369,

	HEMBA1003555,	HEMBA1003560,	HEMBA1004131,	HEMBA1004199,	HEMBA1004202,	HEMBA1004354,
	HEMBA1004697,	HEMBA1005047,	HEMBA1005595,	HEMBA1007018,	HEMBA1007151,	HEMBA1000083,
	HEMBA1000226,	HEMBA1000264,	HEMBA1000632,	HEMBA1000725,	HEMBA1001294,	HEMBA1002193,
	MAMMA1000085,	MAMMA1000612,	MAMMA1000731,	MAMMA1000738,	MAMMA1001038,	MAMMA1001735,
5	MAMMA1001768,	MAMMA1003127,	NT2RM1000187,	NT2RM1000388,	NT2RM1000702,	NT2RM1000772,
	NT2RM1000924,	NT2RM2000469,	NT2RM2000577,	NT2RM2000740,	NT2RM2001100,	NT2RM2001201,
	NT2RM2001345,	NT2RM2001823,	NT2RM2002128,	NT2RM4000155,	NT2RM4000191,	NT2RM4000356,
	NT2RM4000496,	NT2RM4000611,	NT2RM4000733,	NT2RM4000820,	NT2RM4001084,	NT2RM4001178,
	NT2RM4001344,	NT2RM4001444,	NT2RM4001592,	NT2RM4001714,	NT2RM4001758,	NT2RM4001880,
10	NT2RM4002062,	NT2RM4002174,	NT2RM4002205,	NT2RM4002527,	NT2RM4002594,	NT2RM4002623,
	NT2RP1000470,	NT2RP1000478,	NT2RP1000915,	NT2RP1000958,	NT2RP1001080,	NT2RP1001410,
	NT2RP1001569,	NT2RP2000126,	NT2RP2000258,	NT2RP2000329,	NT2RP2000660,	NT2RP2000668,
	NT2RP2000710,	NT2RP2000812,	NT2RP2000880,	NT2RP2001245,	NT2RP2001392,	NT2RP2002606,
	NT2RP2003277,	NT2RP2003912,	NT2RP2004538,	NT2RP2004568,		
15	NT2RP2004689,	NT2RP2004768,	NT2RP2004791,	NT2RP2004920,	NT2RP2005344,	NT2RP2005393,
	NT2RP2005763,	NT2RP2006534,	NT2RP3000046,	NT2RP3000252,	NT2RP3000350,	NT2RP3000359,
	NT2RP3000366,	NT2RP3000397,	NT2RP3000759,	NT2RP3000845,	NT2RP3000875,	NT2RP3001150,
	NT2RP3001427,	NT2RP3001453,	NT2RP3001529,	NT2RP3001730,	NT2RP3001799,	NT2RP3001857,
	NT2RP3001938,	NT2RP3002007,	NT2RP3002151,	NT2RP3002330,	NT2RP3002399,	NT2RP3002671,
20	NT2RP3003301,	NT2RP3003353,	NT2RP3003589,	NT2RP3003809,	NT2RP3003876,	NT2RP3004189,
	NT2RP3004428,	NT2RP3004578,	NT2RP4000290,	NT2RP4000481,	NT2RP4000518,	NT2RP4000781,
	NT2RP4000839,	NT2RP4000929,	NT2RP4001041,	NT2RP4001079,	NT2RP4001375,	NT2RP4001414,
	NT2RP4001592,	NT2RP4001634,	NT2RP4001644,	NT2RP4001656,	NT2RP4001896,	NT2RP4002047,
	NT2RP4002058,	NT2RP4002408,	NT2RP5003477,	OVARC1000013,	OVARC1000304,	OVARC1000556,
25	OVARC1000771,	OVARC1000800,	OVARC1001068,	OVARC1002138,	PLACE1000040,	PLACE1000588,
	PLACE1001104,	PLACE1001739,	PLACE1002433,	PLACE1002437,	PLACE1002714,	PLACE1003394,
	PLACE1003521,	PLACE1003915,	PLACE1004902,	PLACE1005243,	PLACE1005305,	PLACE1005549,
	PLACE1005739,	PLACE1005921,	PLACE1006119,	PLACE1006196,	PLACE1006552,	PLACE1006956,
	PLACE1007409,	PLACE1007697,	PLACE1007946,	PLACE1008244,	PLACE1009404,	PLACE1009476,
30	PLACE1009596,	PLACE1009908,	PLACE1010134,	PLACE1010720,	PLACE1010896,	PLACE1011109,
	PLACE1011114,	PLACE1011310,	PLACE1011922,	PLACE2000014,	PLACE2000039,	PLACE2000274,
	PLACE2000404,	PLACE2000427,	PLACE3000350,	PLACE4000009,	PLACE4000014,	PLACE4000326,
	SKNMC1000013,	THYRO1000072,	THYRO1001458,	Y79AA1000833,	Y79AA1000962,	Y79AA1001394,
	Y79AA1001875,	Y79AA1001963,	Y79AA1002209,			
35	[0068] The following 320 clones presumably belong to nuclear proteins.					
	HEMBA1000005,	HEMBA1000158,	HEMBA1000216,	HEMBA1000561,	HEMBA1000591,	HEMBA1001088,
	HEMBA1001137,	HEMBA1001405,	HEMBA1001510,	HEMBA1001579,	HEMBA1001809,	HEMBA1001819,
	HEMBA1001824,	HEMBA1001847,	HEMBA1001869,	HEMBA1002177,	HEMBA1002241,	HEMBA1002495,
	HEMBA1002569,	HEMBA1002935,	HEMBA1002951,	HEMBA1002999,	HEMBA1003408,	HEMBA1003545,
40	HEMBA1003662,	HEMBA1003684,	HEMBA1003690,	HEMBA1003760,	HEMBA1004203,	HEMBA1004321,
	HEMBA1004353,	HEMBA1004479,	HEMBA1004973,	HEMBA1005219,	HEMBA1005359,	HEMBA1005558,
	HEMBA1005931,	HEMBA1006278,	HEMBA1006283,	HEMBA1006359,	HEMBA1006485,	HEMBA1007087,
	HEMBA1000226,	HEMBA1000789,	HEMBA1001011,	HEMBA1001056,	HEMBA1001242,	HEMBA1001482,
	HEMBA1001915,	HEMBA1002134,	HEMBA1002217,	HEMBA1000183,	HEMBA1000731,	HEMBA1001105,
45	MAMMA1001222,	MAMMA1001260,	MAMMA1001633,	MAMMA1001743,	MAMMA1001837,	MAMMA1002617,
	MAMMA1002869,	MAMMA1002937,	MAMMA1003011,	NT2RM1000086,	NT2RM1000187,	NT2RM1000666,
	NT2RM1000885,	NT2RM1000894,	NT2RM1001059,	NT2RM1001092,	NT2RM2000013,	NT2RM2000588,
	NT2RM2000624,	NT2RM2000735,	NT2RM2000740,	NT2RM2001105,	NT2RM2001635,	NT2RM2001670,
	NT2RM2001771,	NT2RM2001823,	NT2RM2001936,	NT2RM2001989,	NT2RM2002004,	NT2RM2002088,
50	NT2RM2002091,	NT2RM4000024,	NT2RM4000046,	NT2RM4000104,	NT2RM4000202,	NT2RM4000215,
	NT2RM4000290,	NT2RM4000531,	NT2RM4000751,	NT2RM4000996,	NT2RM4001092,	NT2RM4001140,
	NT2RM4001200,	NT2RM4001483,	NT2RM4001566,	NT2RM4001592,		
	NT2RM4001597,	NT2RM4001783,	NT2RM4001823,	NT2RM4001828,	NT2RM4001858,	NT2RM4001979,
	NT2RP1000035,	NT2RP1000111,	NT2RP1000493,	NT2RP1000574,	NT2RP1000630,	NT2RP1000902,
55	NT2RP1000915,	NT2RP1000958,	NT2RP1000966,	NT2RP1001013,	NT2RP1001177,	NT2RP2000008,
	NT2RP2000076,	NT2RP2000126,	NT2RP2000153,	NT2RP2000161,	NT2RP2000248,	NT2RP2000258,
	NT2RP2000297,	NT2RP2000420,	NT2RP2000931,	NT2RP2001233,	NT2RP2001420,	NT2RP2001756,
	NT2RP2001869,	NT2RP2002079,	NT2RP2002270,	NT2RP2002503,	NT2RP2002591,	NT2RP2002880,

	NT2RP2002939,	NT2RP2002993,	NT2RP2003137,	NT2RP2003157,	NT2RP2003277,	NT2RP2003286,
	NT2RP2003308,	NT2RP2003347,	NT2RP2003714,	NT2RP2003912,	NT2RP2004013,	NT2RP2004187,
	NT2RP2004689,	NT2RP2004920,	NT2RP2005393,	NT2RP2005436,	NT2RP2005496,	NT2RP2005539,
	NT2RP2005701,	NT2RP2005767,	NT2RP2005776,	NT2RP2005933,	NT2RP2005942,	NT2RP2006043,
5	NT2RP2006436,	NT2RP3000031,	NT2RP3000050,	NT2RP3000397,	NT2RP3000512,	NT2RP3000527,
	NT2RP3000590,	NT2RP3000603,	NT2RP3000632,	NT2RP3000917,	NT2RP3001057,	NT2RP3001107,
	NT2RP3001120,	NT2RP3001253,	NT2RP3001338,	NT2RP3001384,	NT2RP3001398,	NT2RP3001427,
	NT2RP3001428,	NT2RP3001472,	NT2RP3001646,	NT2RP3001671,	NT2RP3001792,	NT2RP3001855,
	NT2RP3002056,	NT2RP3002165,	NT2RP3002399,	NT2RP3002876,	NT2RP3003193,	NT2RP3003212,
10	NT2RP3003555,	NT2RP3004016,	NT2RP3004206,	NT2RP3004424,	NT2RP3004428,	NT2RP3004566,
	NT2RP3004617,	NT2RP4000078,	NT2RP4000111,	NT2RP4000210,	NT2RP4000398,	NT2RP4000481,
	NT2RP4000518,	NT2RP4000997,	NT2RP4001148,	NT2RP4001206,	NT2RP4001213,	NT2RP4001433,
	NT2RP4001568,	NT2RP4001638,	NT2RP4001696,	NT2RP4001753,	NT2RP4001938,	NT2RP4002058,
	NT2RP4002078,	NT2RP4002081,	NT2RP4002791,	OVARC1000006,	OVARC1000087,	OVARC1000091,
15	OVARC1000241,	OVARC1000326,	OVARC1000556,	OVARC1000846,	OVARC1001038,	OVARC1001180,
	OVARC1001232,	OVARC1001271,	OVARC1001306,	OVARC1001436,	OVARC1002112,	PLACE1000133,
	PLACE1000184,	PLACE1000406,	PLACE1000583,	PLACE1000596,	PLACE1000979,	PLACE1001118,
	PLACE1001383,	PLACE1001632,	PLACE1002171,	PLACE1002433,	PLACE1002438,	PLACE1002532,
	PLACE1002775,	PLACE1002816,	PLACE1002834,	PLACE1003100,	PLACE1003190,	PLACE1003302,
20	PLACE1003519,	PLACE1003521,	PLACE1003605,	PLACE1003704,	PLACE1003738,	PLACE1003885,
	PLACE1003923,	PLACE1004302,	PLACE1004471,	PLACE1004564,	PLACE1004814,	PLACE1004902,
	PLACE1005287,	PLACE1005876,	PLACE1005966,	PLACE1006167,	PLACE1006438,	PLACE1006482,
	PLACE1006829,	PLACE1006878,	PLACE1006917,	PLACE1007014,	PLACE1007547,	PLACE1007598,
	PLACE1007688,	PLACE1007969,	PLACE1008044,	PLACE1008132,	PLACE1008603,	PLACE1009099,
25	PLACE1009130,	PLACE1009308,	PLACE1009398,	PLACE1010134,	PLACE1010194,	PLACE1010702,
	PLACE1010720,	PLACE1010870,	PLACE1011056,	PLACE1011433,	PLACE1011664,	PLACE2000014,
	PLACE2000427,	PLACE3000009,	PLACE3000169,	PLACE4000014,	PLACE4000156,	PLACE4000192,
	PLACE4000261,	PLACE4000326,	PLACE4000489,	SKNMC1000011,	THYRO1000085,	THYRO1000242,
	THYRO1000585,	THYRO1001100,	THYRO1001189,	THYRO1001809,	Y79AA1000037,	Y79AA1000214,
30	Y79AA1000231,	Y79AA1000589,	Y79AA1000752,	Y79AA1001391,	Y79AA1001613,	Y79AA1001705,
	Y79AA1001963,	Y79AA1002431,	Y79AA1002472,	Y79AA1002482,		
	[0069] The following 296 clones presumably belong to DNA- and/or RNA-binding proteins.					HEMBA1000158,
	HEMBA1000216,	HEMBA1000561,	HEMBA1000591,	HEMBA1000851,	HEMBA1001088,	HEMBA1001137,
	HEMBA1001405,	HEMBA1001510,	HEMBA1001804,	HEMBA1001809,	HEMBA1001819,	HEMBA1001847,
35	HEMBA1001869,	HEMBA1002177,	HEMBA1002935,	HEMBA1003408,	HEMBA1003545,	HEMBA1003568,
	HEMBA1003591,	HEMBA1003662,	HEMBA1003684,	HEMBA1003760,	HEMBA1003783,	HEMBA1003805,
	HEMBA1003953,	HEMBA1004321,	HEMBA1004354,	HEMBA1004389,	HEMBA1004479,	HEMBA1004669,
	HEMBA1004847,	HEMBA1004973,	HEMBA1005202,	HEMBA1005359,	HEMBA1005931,	HEMBA1006248,
	HEMBA1006278,	HEMBA1006283,	HEMBA1006359,	HEMBA1006652,	HEMBA1007087,	HEMBA1007194,
40	HEMBB1000264,	HEMBB1000789,	HEMBB1001011,	HEMBB1001482,	HEMBB1001736,	HEMBB1001749,
	HEMBB1001839,	HEMBB1002217,	MAMMA1000183,	MAMMA1000284,	MAMMA1000731,	MAMMA1001105,
	MAMMA1001222,	MAMMA1001260,	MAMMA1001743,	MAMMA1001837,	MAMMA1002385,	MAMMA1002617,
	MAMMA1002869,	MAMMA1002937,	MAMMA1003011,	NT2RM1000086,	NT2RM1000539,	NT2RM1000555,
	NT2RM1000666,	NT2RM1000691,	NT2RM1000826,	NT2RM1000885,	NT2RM1001059,	NT2RM1001092,
45	NT2RM2000371,	NT2RM2000624,	NT2RM2000735,	NT2RM2001105,	NT2RM2001424,	NT2RM2001575,
	NT2RM2001605,	NT2RM2001670,	NT2RM2001771,	NT2RM2001823,	NT2RM2001989,	NT2RM2002004,
	NT2RM2002014,	NT2RM2002088,	NT2RM2002091,	NT2RM4000046,	NT2RM4000104,	NT2RM4000167,
	NT2RM4000191,	NT2RM4000202,	NT2RM4000531,	NT2RM4000595,	NT2RM4000733,	NT2RM4000751,
	NT2RM4000996,	NT2RM4001092,	NT2RM4001140,			
50	NT2RM4001178,	NT2RM4001200,	NT2RM4001483,	NT2RM4001592,	NT2RM4001783,	NT2RM4001823,
	NT2RM4001828,	NT2RM4001858,	NT2RM4001880,	NT2RM4001979,	NT2RM4002093,	NT2RM4002109,
	NT2RP1000470,	NT2RP1000493,	NT2RP1000574,	NT2RP1000902,	NT2RP1000966,	NT2RP1001013,
	NT2RP1001073,	NT2RP1001080,	NT2RP2000008,	NT2RP2000153,	NT2RP2000258,	NT2RP2000297,
	NT2RP2001127,	NT2RP2001174,	NT2RP2001233,	NT2RP2001511,	NT2RP2001756,	NT2RP2001869,
55	NT2RP2002079,	NT2RP2002099,	NT2RP2002503,	NT2RP2002591,	NT2RP2002939,	NT2RP2003157,
	NT2RP2003329,	NT2RP2003347,	NT2RP2003480,	NT2RP2003522,	NT2RP2003564,	NT2RP2003714,
	NT2RP2004187,	NT2RP2004568,	NT2RP2004920,	NT2RP2005003,	NT2RP2005139,	NT2RP2005168,
	NT2RP2005436,	NT2RP2005496,	NT2RP2005701,	NT2RP2005763,	NT2RP2005776,	NT2RP2005942,

	NT2RP2006043,	NT2RP2006436,	NT2RP2006464,	NT2RP3000050,	NT2RP3000512,	NT2RP3000527,
	NT2RP3000562,	NT2RP3000590,	NT2RP3000603,	NT2RP3000624,	NT2RP3000632,	NT2RP3000994,
	NT2RP3001057,	NT2RP3001107,	NT2RP3001120,	NT2RP3001150,	NT2RP3001155,	NT2RP3001338,
	NT2RP3001398,	NT2RP3001472,	NT2RP3001672,	NT2RP3001688,	NT2RP3001724,	NT2RP3001792,
5	NT2RP3001855,	NT2RP3002165,	NT2RP3002399,	NT2RP3002876,	NT2RP3003138,	NT2RP3003193,
	NT2RP3003251,	NT2RP3003327,	NT2RP3003555,	NT2RP3004013,	NT2RP3004078,	NT2RP3004428,
	NT2RP3004490,	NT2RP3004566,	NT2RP3004594,	NT2RP3004617,	NT2RP3004618,	NT2RP4000111,
	NT2RP4000398,	NT2RP4000455,	NT2RP4000518,	NT2RP4000648,	NT2RP4000865,	NT2RP4000929,
	NT2RP4001080,	NT2RP4001095,	NT2RP4001213,	NT2RP4001433,	NT2RP4001568,	NT2RP4001696,
10	NT2RP4001753,	NT2RP4001838,	NT2RP4001938,	NT2RP4002078,	OVARC1000006,	OVARC1000087,
	OVARC1000241,	OVARC1000746,	OVARC1000846,	OVARC1001232,	OVARC1001271,	OVARC1001306,
	OVARC1001987,	OVARC1002112,	PLACE1000406,	PLACE1000583,	PLACE1000979,	PLACE1001118,
	PLACE1001632,	PLACE1001739,	PLACE1002438,	PLACE1002532,	PLACE1002775,	PLACE1002834,
	PLACE1003302,	PLACE1003519,	PLACE1003605,	PLACE1003704,	PLACE1003738,	PLACE1003885,
15	PLACE1004471,	PLACE1004564,	PLACE1004814,	PLACE1005584,	PLACE1005876,	PLACE1005951,
	PLACE1006196,	PLACE1006482,	PLACE1006488,	PLACE1006531,	PLACE1006917,	PLACE1007346,
	PLACE1007547,	PLACE1007598,	PLACE1007688,	PLACE1007969,	PLACE1008132,	PLACE1009099,
	PLACE1009246,	PLACE1009398,	PLACE1009476,	PLACE1009622,	PLACE1010053,	PLACE1010194,
	PLACE1010702,	PLACE1010870,	PLACE1011056,	PLACE1011114,	PLACE1011433,	PLACE2000427,
20	PLACE3000009,	PLACE3000169,	PLACE4000014,	PLACE4000156,	PLACE4000192,	PLACE4000261,
	PLACE4000489,	SKNMC1000091,	THYRO 1000085,	THYRO1000242,	THYRO1000501,	THYRO1001100,
	THYRO1001189,	THYRO1001809,	Y79AA1000037,	Y79AA1000349,	Y79AA1000752,	Y79AA1001211,
	Y79AA1001312,	Y79AA1001391,	Y79AA1001613,	Y79AA1002103,	Y79AA1002472,	Y79AA1002482,
	HEMBA1004596,	OVARC1000148,	PLACE1003334,	THYRO1001661,		
25	[0070] The following 66 clones presumably belong to the category of RNA synthesis-associated proteins.					
	HEMBA1000591,	HEMBA1001579,	HEMBA1003179,	HEMBA1003591,	HEMBA1006278,	HEMBA1000226,
	NT2RM1000187,	NT2RM1000852,	NT2RM2000624,	NT2RM2001989,	NT2RM2002100,	NT2RM4000191,
	NT2RM4001178,	NT2RM4002093,	NT2RP1000035,	NT2RP1000272,	NT2RP1000470,	NT2RP1001080,
	NT2RP2000153,	NT2RP2002928,	NT2RP2003157,	NT2RP2004568,	NT2RP2005126,	NT2RP2005436,
30	NT2RP2005539,	NT2RP2005605,	NT2RP2005776,	NT2RP2005942,	NT2RP2006043,	NT2RP2006238,
	NT2RP3000361,	NT2RP3000397,	NT2RP3001671,	NT2RP3004504,	NT2RP4000078,	NT2RP4000111,
	NT2RP4000481,	NT2RP4000518,	NT2RP4000614,	NT2RP4000929,	NT2RP4001696,	NT2RP4002058,
	OVARC1001232,	OVARC1001577,	PLACE1000406,	PLACE1000596,	PLACE1000755,	PLACE1001739,
	PLACE1003704,	PLACE1003885,	PLACE1004564,	PLACE1004814,	PLACE1004902,	PLACE1005373,
35	PLACE1005646,	PLACE1005876,	PLACE1006196,	PLACE1006626,	PLACE1006878,	PLACE1006917,
	PLACE1009476,	PLACE1009925,	PLACE1010194,	PLACE1011114,	THYRO1000121,	Y79AA1001963,
	[0071] The following 184 clones presumably belong to protein synthesis- and/or protein transport-associated proteins.					
	HEMBA1000012,	HEMBA1000141,	HEMBA1000592,	HEMBA1003617,	HEMBA1003773,	HEMBA1004202,
40	HEMBA1004276,	HEMBA1004734,	HEMBA1004847,	HEMBA1004929,	HEMBA1004930,	HEMBA1005047,
	HEMBA1005202,	HEMBA1006031,	HEMBA1006272,	HEMBA1006474,	HEMBA1006652,	HEMBA1006914,
	HEMBA1006973,	HEMBA1007224,	HEMBA1000915,	HEMBA1001112,	HEMBA1001137,	HEMBA1001736,
	HEMBA1001831,	HEMBA1001915,	MAMMA1000085,	MAMMA1000734,	MAMMA1001008,	MAMMA1002170,
	MAMMA1002219,	MAMMA1002236,	MAMMA1002619,	NT2RM1000661,	NT2RM1000833,	NT2RM2000092,
45	NT2RM2000504,	NT2RM2000577,	NT2RM2000821,	NT2RM2001201,	NT2RM2001592,	NT2RM2001613,
	NT2RM2001648,	NT2RM2001730,	NT2RM2001760,	NT2RM2002055,	NT2RM4000155,	NT2RM4000169,
	NT2RM4000344,	NT2RM4000356,	NT2RM4000421,	NT2RM4000712,	NT2RM4001054,	NT2RM4001203,
	NT2RM4001382,	NT2RM4001444,	NT2RM4002062,	NT2RM4002205,	NT2RM4002623,	NT2RP1000326,
	NT2RP1000522,	NT2RP1000547,	NT2RP1000746,	NT2RP1000947,	NT2RP1001569,	NT2RP2000147,
50	NT2RP2000710,	NT2RP2000880,	NT2RP2000943,	NT2RP2001290,	NT2RP2001392,	NT2RP2001601,
	NT2RP2001613,	NT2RP2001660,	NT2RP2001740,	NT2RP2002124,	NT2RP2002606,	NT2RP2002862,
	NT2RP2002959,	NT2RP2002980,	NT2RP2003137,	NT2RP2003158,	NT2RP2003391,	NT2RP2003394,
	NT2RP2003401,	NT2RP2003433,	NT2RP2003704,	NT2RP2003713,	NT2RP2003737,	NT2RP2003760,
	NT2RP2003981,	NT2RP2004366,	NT2RP2004389,	NT2RP2004791,	NT2RP2005012,	NT2RP2005116,
55	NT2RP2005360,	NT2RP2005763,	NT2RP2005784,	NT2RP3000366,		
	NT2RP3000759,	NT2RP3000968,	NT2RP3001113,	NT2RP3001690,	NT2RP3002045,	NT2RP3002151,
	NT2RP3002529,	NT2RP3002671,	NT2RP3003301,	NT2RP3003846,	NT2RP3003876,	NT2RP3004209,
	NT2RP4000370,	NT2RP4000457,	NT2RP4000879,	NT2RP4000927,	NT2RP4001041,	NT2RP4001117,

NT2RP4001313, NT2RP4001315, NT2RP4001574, NT2RP4001592, OVARC1000013, OVARC1000071,
 OVARC1000085, OVARC1000465, OVARC1000564, OVARC1000771, OVARC1000862, OVARC1001171,
 OVARC1001180, OVARC1001342, PLACE1000007, PLACE1000061, PLACE1000081, PLACE1000492,
 PLACE1000863, PLACE1001092, PLACE1001748, PLACE1002090, PLACE1003174, PLACE1003915,
 5 PLACE1004104, PLACE1004270, PLACE1004743, PLACE1005557, PLACE1005813, PLACE1006170,
 PLACE1006488, PLACE1006829, PLACE1007706, PLACE1007729, PLACE1008273, PLACE1008402,
 PLACE1008790, PLACE1008813, PLACE1009094, PLACE1009130, PLACE1009477, PLACE1009721,
 PLACE1009845, PLACE1010074, PLACE1010547, PLACE1011109, PLACE1011229, PLACE1011477,
 PLACE1012031, PLACE2000404, PLACE3000059, PLACE3000121, PLACE4000269, PLACE4000654,
 10 SKNMC1000011, THYRO1000983, THYRO1001003, THYRO1001313, Y79AA1000560, Y79AA1000784,
 Y79AA1000968, Y79AA1001493, Y79AA1001875, Y79AA1002027, Y79AA1002209, HEMBA1006284,

[0072] The following 130 clones presumably belong to cytoskeleton-associated proteins.

HEMBA1000156, HEMBA1000168, HEMBA1000411, HEMBA1000588, HEMBA1001043, HEMBA1001651,
 HEMBA1001661, HEMBA1002102, HEMBA1002161, HEMBA1002939, HEMBA1003235, HEMBA1003581,
 15 HEMBA1004499, HEMBA1004534, HEMBA1004697, HEMBA1004929, HEMBA1004972, HEMBA1005582,
 HEMBA1005595, HEMBA1006344, HEMBA1006737, HEMBB1001175, HEMBB1001282, HEMBB1001562,
 HEMBB1001802, MAMMA1000824, MAMMA1001041, MAMMA1001576, MAMMA1001679, MAMMA1001735,
 MAMMA1002297, MAMMA1002351, MAMMA1002622, MAMMA1002637, MAMMA1003127, NT2RM1000850,
 NT2RM1000898, NT2RM2000030, NT2RM2000260, NT2RM2000691, NT2RM2001324, NT2RM4000169,
 20 NT2RM4000229, NT2RM4000515, NT2RM4001217, NT2RP1000202, NT2RP1000348, NT2RP1000460,
 NT2RP1000478, NT2RP1001033, NT2RP1001294, NT2RP1001302, NT2RP2000070, NT2RP2000812,
 NT2RP2000814, NT2RP2001168, NT2RP2001245, NT2RP2001634, NT2RP2001900, NT2RP2003307,
 NT2RP2003394, NT2RP2004041, NT2RP2004242, NT2RP2004538, NT2RP2004587, NT2RP2004681,
 NT2RP2004732, NT2RP2004978, NT2RP2005491, NT2RP2005531, NT2RP2005712, NT2RP2006275,
 25 NT2RP3000753, NT2RP3001113, NT2RP3001216, NT2RP3001239, NT2RP3001272, NT2RP3001554,
 NT2RP3001690, NT2RP3001799, NT2RP3002688, NT2RP3003061, NT2RP3003185, NT2RP3003230,
 NT2RP3004569, NT2RP3004578, NT2RP4001004, NT2RP4001086, NT2RP4001256, NT2RP4001567,
 NT2RP4001927, OVARC1000001, OVARC1000106, OVARC1000437, OVARC1000520, OVARC1000679,
 OVARC1001731, OVARC1002050, PLACE1001104, PLACE1002571,
 30 PLACE1002591, PLACE1002655, PLACE1002714, PLACE1003625, PLACE1005287, PLACE1006552,
 PLACE1007946, PLACE1008426, PLACE1010148, PLACE1010547, PLACE1010743, PLACE1010896,
 PLACE1010960, PLACE1011310, PLACE1011922, PLACE2000216, PLACE2000274, PLACE2000371,
 PLACE2000458, PLACE3000145, PLACE3000416, PLACE4000009, THYRO1000132, THYRO1001405,
 THYRO1001458, Y79AA1000368, Y79AA1000794, Y79AA1000833, Y79AA1000962, Y79AA1002208,

[0073] The following 54 clones presumably belong to cell division-associated and/or cell proliferation-associated proteins.

HEMBA1001019, HEMBA1001595, HEMBA1002363, HEMBA1002997, HEMBA1003136, HEMBA1003369,
 HEMBA1004131, HEMBA1004354, HEMBA1005621, HEMBB1000037, HEMBB1000264, MAMMA1001768,
 MAMMA1002769, NT2RM1000354, NT2RM1000430, NT2RM1000874, NT2RM2001256, NT2RM2001743,
 40 NT2RM2001896, NT2RM2002145, NT2RM4000215, NT2RM4001714, NT2RP1000163, NT2RP1000333,
 NT2RP1000439, NT2RP2000346, NT2RP2001397, NT2RP2002595, NT2RP2003177, NT2RP2003596,
 NT2RP2003912, NT2RP2004396, NT2RP2005037, NT2RP2005520, NT2RP2005669, NT2RP2005835,
 NT2RP3001730, NT2RP3002081, NT2RP4000210, NT2RP4000415, NT2RP4001414, NT2RP4001634,
 OVARC1000013, OVARC1000937, PLACE1001383, PLACE1002433, PLACE1004316, PLACE1005287,
 45 PLACE1008808, PLACE1010720, PLACE1010833, Y79AA1000748, Y79AA1001236, Y79AA1001394

[0074] The following 36 clones presumably belong to the category of embryogenesis- and/or development-associated proteins:

HEMBA1000518, HEMBA1001847, HEMBA1001869, HEMBA1003545, HEMBA1004973, HEMBB1002442,
 MAMMA1001837, NT2RM2001670, NT2RM4000046, NT2RM4000531, NT2RM4001140, NT2RM4001858,
 50 NT2RP2002078, NT2RP2004187, NT2RP2006436, NT2RP3000603, NT2RP3000994, NT2RP3001580,
 NT2RP3001708, NT2RP3003071, NT2RP3004472, NT2RP3004617, NT2RP4000246, NT2RP4001567,
 OVARC1000304, OVARC1000746, PLACE1000793, PLACE1002532, PLACE1003258, PLACE1003625,
 PLACE1004460, PLACE1009622, PLACE4000558, THYRO1000085, Y79AA1001391, Y79AA1001692

[0075] The following 30 clones presumably belong to cellular defense-associated proteins.

HEMBA1000005, HEMBA1000531, HEMBA1003417, HEMBA1006253, NT2RM4000354, NT2RM4001880,
 55 NT2RP1000333, NT2RP1000493, NT2RP2000006, NT2RP2000045, NT2RP2000809, NT2RP2001536,
 NT2RP2002464, NT2RP2004920, NT2RP2005037, NT2RP3000590, NT2RP3001426, NT2RP3002062,
 NT2RP3002785, NT2RP3004262, NT2RP4001555, NT2RP4001638, PLACE1006958, PLACE1008275,

PLACE1009113, PLACE1011858, PLACE4000014, THYRO1000684, Y79AA1002139, Y79AA1002229

[0076] Although it is unclear whether or not 261 clones out of clones other than the above-mentioned clones belong to any of the above-described categories, these clones are predicted to have some functions, based on the homology search using their full-length sequences.

5 HEMBA1000030, HEMBA1000307, HEMBA1000333, HEMBA1000488, HEMBA1000523, HEMBA1001197,
HEMBA1001302, HEMBA1001455, HEMBA1001675, HEMBA1001714, HEMBA1001744, HEMBA1001967,
HEMBA1002151, HEMBA1002215, HEMBA1002458, HEMBA1002777, HEMBA1003098, HEMBA1003199,
HEMBA1003615, HEMBA1003836, HEMBA1004295, HEMBA1004573, HEMBA1004604, HEMBA1004795,
HEMBA1005101, HEMBA1005201, HEMBA1005206, HEMBA1005530, HEMBA1005666, HEMBA1005990,
10 HEMBA1006268, HEMBA1006398, HEMBA1006445, HEMBA1007174, HEMBA1007251, HEMBB1000036,
HEMBB1000144, HEMBB1000973, HEMBB1001058, HEMBB1001234, HEMBB1001288, HEMBB1001331,
HEMBB1001384, HEMBB1002266, HEMBB1002510, HEMBB1002705, MAMMA1000055, MAMMA1000625,
MAMMA1001075, MAMMA1001181, MAMMA1001259, MAMMA1001730, MAMMA1002143, MAMMA1002699,
MAMMA1002972, MAMMA1003113, NT2RM1000118, NT2RM1000186, NT2RM1000244, NT2RM1000421,
15 NT2RM1000499, NT2RM1000623, NT2RM1000883, NT2RM2000502, NT2RM2000599, NT2RM2000718,
NT2RM2001065, NT2RM2001196, NT2RM2001983, NT2RM2002109, NT2RM2002142, NT2RM4000030,
NT2RM4000139, NT2RM4000156, NT2RM4000386, NT2RM4000590, NT2RM4001047, NT2RM4001155,
NT2RM4001256, NT2RM4001320, NT2RM4001340, NT2RM4001347, NT2RM4001371, NT2RM4001582,
NT2RM4001611, NT2RM4001731, NT2RM4001969, NT2RM4002034, NT2RM4002075, NT2RM4002226,
20 NT2RP1000040, NT2RP1000363, NT2RP1000481, NT2RP1000513, NT2RP1000733, NT2RP1000860,
NT2RP1000954, NT2RP1001011, NT2RP1001395, NT2RP1001457,
NT2RP1001494, NT2RP2000054, NT2RP2000067, NT2RP2000133, NT2RP2000157, NT2RP2000764,
NT2RP2000965, NT2RP2001839, NT2RP2001883, NT2RP2001976, NT2RP2001985, NT2RP2002185,
NT2RP2002442, NT2RP2002727, NT2RP2002741, NT2RP2002986, NT2RP2003121, NT2RP2003265,
25 NT2RP2003272, NT2RP2003857, NT2RP2003871, NT2RP2004425, NT2RP2004476, NT2RP2004710,
NT2RP2004816, NT2RP2005441, NT2RP2005490, NT2RP2005620, NT2RP2005654, NT2RP2005675,
NT2RP2005753, NT2RP2005841, NT2RP2006598, NT2RP3000047, NT2RP3000233, NT2RP3000868,
NT2RP3000869, NT2RP3001399, NT2RP3001407, NT2RP3001457, NT2RP3001587, NT2RP3001712,
NT2RP3001819, NT2RP3001854, NT2RP3001931, NT2RP3002273, NT2RP3002631, NT2RP3002682,
30 NT2RP3002770, NT2RP3002818, NT2RP3002948, NT2RP3002972, NT2RP3003032, NT2RP3003290,
NT2RP3003411, NT2RP3003491, NT2RP3003500, NT2RP3003726, NT2RP3004348, NT2RP3004507,
NT2RP4000129, NT2RP4000498, NT2RP4000528, NT2RP4000737, NT2RP4000979, NT2RP4001010,
NT2RP4001207, NT2RP4001228, NT2RP4001260, NT2RP4001339, NT2RP4001351, NT2RP4001474,
NT2RP4001966, NT2RP4002018, OVARC1000209, OVARC1000876, OVARC1001065, OVARC1001092,
35 OVARC1001419, OVARC1001555, OVARC1001711, OVARC1001943, PLACE1000004, PLACE1000066,
PLACE1000610, PLACE1000636, PLACE1000769, PLACE1000987, PLACE1001036, PLACE1001845,
PLACE1001920, PLACE1002665, PLACE1003602, PLACE1003611, PLACE1004256, PLACE1004550,
PLACE1004868, PLACE1004930, PLACE1005052, PLACE1005102, PLACE1005176, PLACE1005187,
PLACE1005331, PLACE1005727, PLACE1006003, PLACE1006335, PLACE1006385, PLACE1006506,
40 PLACE1007105, PLACE1007537, PLACE1007705, PLACE1007791, PLACE1007897, PLACE1008080,
PLACE1008368, PLACE1008398, PLACE1008465, PLACE1008627, PLACE1009020, PLACE1009060,
PLACE1009186, PLACE1009443, PLACE1009571, PLACE1009670, PLACE1010105, PLACE1010261,
PLACE1010310, PLACE1010522, PLACE1010579, PLACE1010628, PLACE1010661, PLACE1010761,
PLACE1011185, PLACE1011340, PLACE1011586, PLACE2000246, PLACE2000411, PLACE3000477,
45 THYRO1000173, THYRO1000401, THYRO1000666, THYRO1001033, THYRO1001347, THYRO1001656,
THYRO1001703, THYRO1001721, Y79AA1000059, Y79AA1000181, Y79AA1000268, Y79AA1000313,
Y79AA1000540, Y79AA1000966, Y79AA1000985, Y79AA1001323, Y79AA1001402, Y79AA1001679,
Y79AA1001923, Y79AA1002083, Y79AA1002307, Y79AA1002311, Y79AA1002487,

[0077] In some cases, the predicted functions based on the partial sequences are different from those based on the full-length sequences. The reason is that a protein does not always belong solely to a single category of the above-described functional categories, and therefore, a protein may belong to two or more of the predicted functional categories. Besides, additional functions can be found for the clones classified into these functional categories by further analyses.

[0078] Since the protein encoded by clones of the invention contains full-length amino acid sequence, it is possible to analyze its biological activity, and its effect on cellular conditions such as cell proliferation and differentiation by expressing the protein as a recombinant protein using an appropriate expression system, injecting the recombinant into the cell, or raising a specific antibody against the protein.

[0079] If the protein is a secretory protein, membrane protein, or protein associated with glycoprotein, signal trans-

duction, or transcription, its biological activity can be analyzed by the methods in "Gene Transcription" (Hames B.D., and Higgins S.J. edit, (1993)), "Glycobiology" (Fukuda M., and Kobata A. edit, (1993)), "Growth Factors" (McKay I., and Leigh I. edit, (1993)), "Extracellular Matrix" (Haralson M.A., and Hassell J.R. edit, (1995)), "Transcription Factors" (Latchman D.S. edit, (1993)), "Signal Transduction" (Milligans G. edit, (1992)), "Protein Phosphorylation" (Hardies G. D. edit, (1993)), and "Ion Channels" (Ashley R.H. edit, (1995)) featured in "The Practical Approach Series" (IRL PRESS), or "Signal Transduction Protocols" (Kendall D.A., and Hill S.J. edit, (1995)), "Glycoprotein Analysis in Biomedicine" (Hounsell E.F. edit, (1993)), featured in "Method in Molecular Biology" (Humana Press).

[0080] As to a protein associated with a disease, it is possible to perform a functional analysis as described above, but also possible to analyze correlation between the expression or the activity of the protein and a certain disease by using a specific antibody that is obtained by using expressed protein. Alternatively, it is possible to utilize the database Online Mendelian Inheritance in Man (OMIM) (<http://www.ncbi.nlm.nih.gov/Omim/>), which is a database of human genes and diseases, to analyze the protein.

New information is constantly being deposited in the OMIM database. Therefore, it is possible for one skilled in the art to find a new relationship between a particular disease and a gene of the present invention in the most up-to-date database.

[0081] Also, as for a secretory protein, membrane protein, signal transduction-associated protein, glycoprotein-associated protein, or transcription-associated protein, etc., search of the OMIM with the following keywords resulted in the finding that the proteins are associated with many diseases (the result of the OMIM search for secrete and membrane proteins is shown below). Also, association between proteins associated to signal transduction or transcription and diseases is reported in "Transcription Factor Research-1999" (Fujii, Tamura, Kageyama, and Satake edit, (1999) Jikken-Igaku Zoukan, Vol.17, No.3), and "Gene Medicine" ((1999) Vol.3, No.2). For example, in tumors, many proteins have been shown to play a role, including secretory proteins, membrane proteins, and proteins associated with signal transduction, glycoprotein, and transcription, and also proteins associated with metabolism, cytoskeleton, and cell cycle, as described in "Tumor Biology" (Matsubara S. (1992) Syoukabou Life Science series). Thus, besides the proteins associated with diseases, many proteins described above are also potentially associated with diseases, and thus useful as a target in the medicinal industry.

[0082] The result of the OMIM search for secretory and membrane proteins is shown below, in which the keywords,

- (1) secretion protein,
- (2) membrane protein,
- (3) channel, and
- (4) extracellular matrix were used.

[0083] Shown in the search result are only the accession numbers in the OMIM. Using the number, data showing the relationship between a disease and a gene or protein can be seen. The OMIM data has been renewed everyday.

1) Secretion protein

268 entries found, searching for "secretion protein"

104760, 176860, 160900, 107400, 118910, 139320, 603850, 147572, 176880, 600946, 603215, 157147, 600174, 151675, 170280, 179512, 179513, 138120, 179509, 246700, 179510, 600626, 179511, 600998, 109270, 601489, 154545, 179490, 185860, 603216, 122559, 601746, 147290, 602672, 146770, 603062, 179508, 131230, 601591, 602421, 139250, 167805, 167770, 600041, 600564, 118825, 601146, 300090, 600753, 601652, 600759, 600768, 602434, 182590, 603166, 308230, 602534, 603489, 107470, 150390, 104610, 173120, 158106, 143890, 306900, 308700, 134797, 137350, 227500, 176300, 107730, 600760, 138079, 120180, 120160, 120150, 124092, 138160, 101000, 227600, 600509, 601199, 142410, 104311, 193400, 201910, 107300, 122560, 272800, 217000, 590050, 147670, 133170, 176730, 300300, 134370, 274600, 120140, 162151, 158070, 152790, 120120, 106100, 300200, 192340, 190160, 138040, 147470, 147620, 173350, 147380, 152200, 152760, 157145, 153450, 264080, 113811, 600937, 600840, 188545, 202110, 600514, 186590, 603372, 136435, 137241, 252800, 214500, 207750, 138850, 139191, 142640, 138130, 189907, 603692, 600633, 603355, 107270, 600377, 147892, 232200, 600281, 232800, 602358, 137035, 601771, 601769, 253200, 601933, 118444, 600270, 120700, 600945, 603732, 147660, 600761, 172400, 600823, 600877, 130080, 171060, 107740, 307800, 602843, 130660, 152780, 124020, 601124, 601340, 601604, 601610, 171050, 312060, 232700, 300159, 142703, 600734, 125255, 168450, 123812, 188540, 147940, 188450, 600839, 182452, 188400, 182280, 176760, 263200, 600264, 188826, 252650, 601185, 162641, 137216, 601398, 601538, 118888, 118445, 601745, 190180, 601922, 182098, 602008, 147440, 602384, 600031, 109160, 602663, 151670, 602682, 602730, 602779, 146880, 603061, 142704, 603140, 106150, 600732, 153620, 603318, 139392, 600042, 102200, 603493, 182100, 264300, 603795, 184600

2) Membrane protein

1017 entries found, searching for "membrane protein"

130500, 305360, 153330, 173610, 170995, 109270, 170993, 309060, 120920, 602333, 133740, 133710, 602690,
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3) Channel (member of membrane protein)

272 entries found, searching for "channel"

176266, 600724, 170500, 182390, 123825, 114208, 114205, 601784, 114206, 600937, 114204, 603415, 600053, 114209, 114207, 600760, 118425, 601011, 192500, 176261, 600761, 176260, 600359, 600228, 600877, 602235, 300008, 182389, 182391, 601328, 601534, 600504, 602323, 601958, 602780, 602781, 601327, 601012, 600734, 603208, 182392, 603220, 603219, 603888, 600054, 602232, 601745, 603537, 602604, 603796, 302910, 602866, 601013, 602905, 602906, 600163, 152427, 180901, 600702, 600308, 602754, 107776, 602024, 314555, 601949, 600235, 602023, 176263, 600681, 176265, 193245, 603305, 176258, 602983, 601219, 601141, 176267, 602343, 602726, 138253, 176262, 600003, 600397, 602872, 138249, 600843, 600935, 600580, 600845, 602158, 602106, 176264, 300110, 176257, 602717, 603493, 176268, 600932, 602727, 138254, 603652, 300138, 602420, 600570, 600150, 603583, 602345, 603749, 601142, 176256, 600846, 138252, 602982, 603787, 602836, 603788, 602566, 603651, 602421, 100690, 107777, 100725, 100710, 600509, 603061, 154275, 304040, 154276, 180902, 121014, 602368, 139311, 601383, 108745, 601313, 601042, 600131, 186360, 600109, 600229, 600170, 603319, 601485, 118503, 180903, 602076, 124030, 601059, 601212, 601218, 147450, 600855, 600919, 601154, 601157, 171060, 600968, 182139, 131230, 121015, 600421, 113730, 249210, 310500, 600637, 125950, 118800, 156490, 602974, 104610, 121011, 602522, 118504, 300041, 160900, 601382, 602103, 600465, 602014, 600442, 601109, 602481, 277900, 254210, 138247, 164920, 170280, 171050, 128100, 173910, 600884, 123885, 602887, 600232, 180297, 137192, 600304, 138251, 603053, 300103, 603152, 603199, 118511, 118508, 138079, 600983, 182307, 603324, 305990, 603418, 114080, 232200, 600046, 600040, 602403, 603750, 603785, 104210, 600019, 600300, 182860, 603852, 603853, 603855, 516060

4) Extracellular matrix

167 entries found, searching for "extracellular matrix"

603479, 602201, 601418, 601548, 154870, 115437, 602285, 602262, 602261, 134797, 600754, 120361, 116935, 602263, 603320, 601807, 603321, 185250, 185261, 253700, 128239, 120324, 193300, 276901, 308700, 600514, 600261, 602109, 120140, 120150, 147557, 193400, 600536, 188826, 120180, 118661, 120320, 152200, 135821, 112260, 230740, 602090, 155760, 192975, 190182, 602108, 601463, 186745, 600900, 600985, 600758, 602369, 179590, 601211, 600065, 602178, 600262, 182888, 182889, 151510, 182120, 150325, 190181, 150370, 186355, 193065, 165070, 154705, 147559, 146650, 146640, 153619, 175100, 187380, 231050, 188060, 135820, 156790, 130660, 301870, 128240, 600076, 600119, 193210, 600215, 600245, 121010, 150240, 600309, 600491, 222600, 120328, 600564, 600596, 600616, 600700, 600742, 120325, 138297, 600930, 156225, 601028, 601050, 601105, 253800, 601284, 601313, 120280, 310200, 601492, 120250, 601587, 601636, 601652, 601692, 601728, 120220, 601915, 602048, 155120, 310300, 120210, 120165, 120120, 118940, 116930, 602264, 116806, 602366, 120470, 602415, 602428, 602453, 602505, 602574, 603005, 603196, 603221, 603319, 107269, 216550, 103320, 603489, 603551, 603767, 603799, 603842

[0084] There are several methods for analyzing the expression levels of genes associated with diseases. Differences in gene expression levels between diseased and normal tissues are studied by the analytical methods, for example, Northern hybridization and differential display. Other examples include a method with high-density cDNA filter, a method with DNA microarray and methods with PCR amplification (Experimental Medicine, Vol.17, No. 8, 980-1056 (1999); Cell Engineering (additional volume) DNA Microarray and Advanced PCR Methods, Muramatsu & Naba (eds.), Shun-jun-sya). The varying levels of gene expression between diseased tissues and normal tissues can be studied by any of these analytical methods. When explicit difference in the expression level is observed for a gene, it can be concluded that the gene is closely associated with a disease or disorder. Instead of diseased tissues, cultured cells can be used

for the assessment. Similarly, when gene expression is explicitly different between normal cells and cells reproducing disease-associated specific features, it can be concluded that the gene is closely associated with a disease or disorder. When the expression levels of genes are evidently varied during major cellular events (such as differentiation and apoptosis), the genes are involved in the cellular events and accordingly are candidates for disease- and/or disorder-associated genes. Further, genes exhibiting tissue-specific expression are genes playing important parts in the tissue functions and, therefore, can be candidates for genes associated with diseases and/or disorders affecting the tissues.

[0085] For example, non-enzymic protein glycation reaction is believed to be a cause for a variety of chronic diabetic complications. Accordingly, genes of which expression levels are elevated or decreased in a glycated protein-dependent manner in the endothelial cells, are associated with diabetic complications caused by glycated proteins (Diabetes 1996, 45 (Suppl. 3), S67-S72; Diabetes, 1997, 46 (Suppl. 2), S19-S25).

The onset of rheumatoid arthritis is thought to be involved in the proliferation of synovial cells covering inner surfaces of joint cavity and in inflammatory reaction resulted from the action of cytokines produced by leukocytes infiltrating into the joint synovial tissues (Rheumatism Information Center, <http://www.rheuma-net.or.jp/>). Recent studies have also revealed that tissue necrosis factor (TNF)- α participates in the onset (Current opinion in immunology 1999, 11, 657-662). When the expression of a gene exhibits responsiveness to the action of TNF on synovial cells, the gene is considered to be involved in rheumatoid arthritis. Many genes acting at the downstream of TNF- α and IL-1 β among inflammation-associated cytokines have been previously identified. The respective stimulations are transduced through independent pathways of signaling cascade. There exists another signaling cascade for both stimulations, wherein NF- κ B is a common transducing molecule shared by the two stimulations (J. Leukoc. Biol., 1994, 56(5): 542-547). It has also been revealed that many inflammation-associated genes, including IL-2, IL-6 and G-CSF, are varied in the expression levels thereof in response to the signal through the common pathway (Trend Genet. 1999, 15(6): 229-235). It is assumed that genes of which expression levels are varied in response to the stimulation of TNF- α or IL-1 β also participate in inflammation.

[0086] Ultraviolet radiation damage has been recognized as a risk factor for skin cancers, etc. (United States Environmental Protection Agency: Ozone Depletion Home Page, <http://www.epa.gov/ozone/>). Genes of which expression levels are varied in skin epidermal cells exposed to ultraviolet rays are considered to be associated with ultraviolet radiation damage of skin. In addition, genes associated with neural differentiation can be candidates for genes responsible for neurological diseases as well as candidates for genes usable for treating the diseases.

[0087] Clones exhibiting differences in the expression levels thereof can be selected by using gene expression analysis. The selection comprises, for example; analyzing cDNA clones by using high-density cDNA filter; and statistically treating the multiple signal values (signal values of radioisotope in the labeled probes or values obtained by measuring fluorescence intensities emitted from the fluorescent labels) for the respective clones by two-sample t-test, where the signal values are determined by multiple experiments of hybridization. The clones of interest are selectable based on the statistically significant differences in the signal distribution at $p < 0.05$. However, selectable clones with significant difference in the expression levels thereof may be changed depending on the partial modification of statistical treatment. For example, the clones may be selected by conducting statistical treatment with two-sample t-test at $p < 0.01$; or genes exhibiting more explicit differences in the expression levels thereof can be selected by performing statistical treatment with a pre-determined cut-off value for the significant signal difference. An alternative method is that the expression levels are simply compared with each other, and then, the clones of interest are selected based on the ratio of the expression levels thereof.

[0088] Clones that vary in their expression levels can also be selected by comparing the expression levels by PCR analysis, for example, by using the method of determining the band intensities representing the amounts of PCR products with ethidium bromide staining; the method of determining the values of radioisotope signals or fluorescence intensities of the PCR products when radiolabeled or fluorescent dye-labeled primers, respectively, are used in PCR amplification; or the method of determining the values of radioisotope signals or fluorescence intensities of the probes hybridized to the PCR products when radiolabeled or fluorescent dye-labeled probes, respectively, are used in the hybridization. If the expression level ratios obtained in multiple PCR experiments are constantly at least 2-fold, such a clone can be judged to vary in its expression level. When the ratios are several-fold or not less than 10-fold, the clone can be selected as a gene exhibiting the explicit difference in its expression level.

[0089] A survey of genes of which expression levels are varied specifically to the glycated protein in the endothelial cells has revealed genes with elevated expression levels, HEMBA1003958, HEMBA1004850, MAMMA1001256, MAMMA1002132, PLACE2000411 and PLACE3000119. On the other hand, a gene of which expression level is decreased specifically to the glycated protein is MAMMA1001783. These clones are genes associated with diabetes.

[0090] A survey of genes of which expression levels are varied in response to TNF- α (Tumor Necrosis Factor-alpha) in the primary cell culture of synovial tissue has revealed the following clones with elevated expression levels in the presence of TNF- α :

HEMBA1000005, HEMBA1000012, HEMBA1000020, HEMBA1000046, HEMBA1000076, HEMBA1000111, HEMBA1000168, HEMBA1000185, HEMBA1000201, HEMBA1000231, HEMBA1000243, HEMBA1000280,

	HEMBA1000282,	HEMBA1000304,	HEMBA1000307,	HEMBA1000327,	HEMBA1000356,	HEMBA1000376,
	HEMBA1000387,	HEMBA1000390,	HEMBA1000418,	HEMBA1000460,	HEMBA1000491,	HEMBA1000501,
	HEMBA1000518,	HEMBA1000519,	HEMBA1000520,	HEMBA1000531,	HEMBA1000534,	HEMBA1000542,
	HEMBA1000545,	HEMBA1000591,	HEMBA1000592,	HEMBA1000594,	HEMBA1000636,	HEMBA1000655,
5	HEMBA1000657,	HEMBA1000673,	HEMBA1000682,	HEMBA1000686,	HEMBA1000722,	HEMBA1000726,
	HEMBA1000827,	HEMBA1000870,	HEMBA1000918,	HEMBA1000971,	HEMBA1000974,	HEMBA1000986,
	HEMBA1001019,	HEMBA1001043,	HEMBA1001051,	HEMBA1001059,	HEMBA1001060,	HEMBA1001071,
	HEMBA1001080,	HEMBA1001109,	HEMBA1001140,	HEMBA1001172,	HEMBA1001196,	HEMBA1001213,
	HEMBA1001226,	HEMBA1001281,	HEMBA1001299,	HEMBA1001302,	HEMBA1001303,	HEMBA1001323,
10	HEMBA1001326,	HEMBA1001327,	HEMBA1001330,	HEMBA1001351,	HEMBA1001407,	HEMBA1001411,
	HEMBA1001446,	HEMBA1001454,	HEMBA1001569,	HEMBA1001647,	HEMBA1001714,	HEMBA1001800,
	HEMBA1001804,	HEMBA1001809,	HEMBA1001888,	HEMBA1001912,	HEMBA1001921,	HEMBA1001967,
	HEMBA1002084,	HEMBA1002161,	HEMBA1002166,	HEMBA1002241,	HEMBA1002337,	HEMBA1002363,
	HEMBA1002389,	HEMBA1002458,	HEMBA1002460,	HEMBA1002469,	HEMBA1002538,	HEMBA1002542,
15	HEMBA1002547,	HEMBA1002609,	HEMBA1002624,			
	HEMBA1002659,	HEMBA1002750,	HEMBA1002770,	HEMBA1002779,	HEMBA1002810,	HEMBA1002816,
	HEMBA1002818,	HEMBA1002850,	HEMBA1002863,	HEMBA1003021,	HEMBA1003033,	HEMBA1003078,
	HEMBA1003166,	HEMBA1003202,	HEMBA1003204,	HEMBA1003229,	HEMBA1003235,	HEMBA1003276,
	HEMBA1003286,	HEMBA1003296,	HEMBA1003370,	HEMBA1003376,	HEMBA1003403,	HEMBA1003418,
20	HEMBA1003433,	HEMBA1003447,	HEMBA1003560,	HEMBA1003569,	HEMBA1003571,	HEMBA1003591,
	HEMBA1003597,	HEMBA1003598,	HEMBA1003621,	HEMBA1003656,	HEMBA1003662,	HEMBA1003680,
	HEMBA1003715,	HEMBA1003725,	HEMBA1003729,	HEMBA1003733,	HEMBA1003742,	HEMBA1003773,
	HEMBA1003783,	HEMBA1003950,	HEMBA1004012,	HEMBA1004015,	HEMBA1004048,	HEMBA1004074,
	HEMBA1004086,	HEMBA1004111,	HEMBA1004131,	HEMBA1004202,	HEMBA1004203,	HEMBA1004207,
25	HEMBA1004248,	HEMBA1004274,	HEMBA1004321,	HEMBA1004330,	HEMBA1004356,	HEMBA1004366,
	HEMBA1004405,	HEMBA1004408,	HEMBA1004429,	HEMBA1004499,	HEMBA1004507,	HEMBA1004509,
	HEMBA1004542,	HEMBA1004596,	HEMBA1004604,	HEMBA1004776,	HEMBA1004889,	HEMBA1004934,
	HEMBA1004978,	HEMBA1005019,	HEMBA1005047,	HEMBA1005206,	HEMBA1005219,	HEMBA1005274,
	HEMBA1005331,	HEMBA1005338,	HEMBA1005394,	HEMBA1005423,	HEMBA1005576,	HEMBA1005732,
30	HEMBA1005746,	HEMBA1006091,	HEMBA1006142,	HEMBA1006173,	HEMBA1006198,	HEMBA1006253,
	HEMBA1006268,	HEMBA1006309,	HEMBA1006377,	HEMBA1006474,	HEMBA1006486,	HEMBA1006492,
	HEMBA1006502,	HEMBA1006535,	HEMBA1006579,	HEMBA1006648,	HEMBA1006659,	HEMBA1006885,
	HEMBA1006929,	HEMBA1006941,	HEMBA1007078,	HEMBA1007080,	HEMBA1007121,	HEMBA1007194,
	HEMBA1007300,	HEMBA1007301,	HEMBA1007322,	HEMBA1000036,	HEMBA1000044,	HEMBA1000089,
35	HEMBA1000215,	HEMBA1000217,	HEMBA1000272,	HEMBA1000420,	HEMBA1000591,	HEMBA1000593,
	HEMBA1000631,	HEMBA1000835,	HEMBA1000887,	HEMBA1000908,	HEMBA1000975,	HEMBA1000985,
	HEMBA1001011,	HEMBA1001014,	HEMBA1001112,	HEMBA1001133,	HEMBA1001331,	HEMBA1001337,
	HEMBA1001366,	HEMBA1001367,	HEMBA1001384,	HEMBA1001394,	HEMBA1001429,	HEMBA1001463,
	HEMBA1001619,	HEMBA1001684,	HEMBA1001706,	HEMBA1001753,	HEMBA1001797,	HEMBA1001802,
40	HEMBA1001812,	HEMBA1001874,	HEMBA1001910,	HEMBA1001915,	HEMBA1001973,	HEMBA1001983,
	HEMBA1001990,	HEMBA1002190,	HEMBA1002193,	HEMBA1002249,	HEMBA1002329,	HEMBA1002342,
	HEMBA1002371,	HEMBA1002409,	HEMBA1002442,	HEMBA1002489,	HEMBA1002492,	HEMBA1002520,
	HEMBA1002534,	HEMBA1002596,	HEMBA1002664,	HEMBA1002692,	HEMBA1002697,	HEMBA1002705,
	MAMMA1000092,	MAMMA1000155,	MAMMA1000163,	MAMMA1000173,	MAMMA1000175,	MAMMA1000227,
45	MAMMA1000241,	MAMMA1000257,	MAMMA1000264,	MAMMA1000266,	MAMMA1000270,	MAMMA1000307,
	MAMMA1000410,	MAMMA1000413,	MAMMA1000416,	MAMMA1000421,	MAMMA1000472,	MAMMA1000501,
	MAMMA1000605,	MAMMA1000643,	MAMMA1000670,	MAMMA1000684,	MAMMA1000696,	MAMMA1000732,
	MAMMA1000752,	MAMMA1000802,	MAMMA1000824,	MAMMA1000905,	MAMMA1000921,	MAMMA1000931,
	MAMMA1000957,	MAMMA1000962,				
50	MAMMA1000998,	MAMMA1001008,	MAMMA1001050,	MAMMA1001074,	MAMMA1001078,	MAMMA1001292,
	MAMMA1001397,	MAMMA1001476,	MAMMA1001743,	MAMMA1001744,	MAMMA1001754,	MAMMA1001760,
	MAMMA1001785,	MAMMA1001858,	MAMMA1001908,	MAMMA1002236,	MAMMA1002267,	MAMMA1002292,
	MAMMA1002311,	MAMMA1002322,	MAMMA1002359,	MAMMA1002362,	MAMMA1002485,	MAMMA1002494,
	MAMMA1002597,	MAMMA1002598,	MAMMA1002665,	MAMMA1002671,	MAMMA1002684,	MAMMA1002748,
55	MAMMA1002775,	MAMMA1002830,	MAMMA1002858,	MAMMA1002868,	MAMMA1002886,	MAMMA1002887,
	MAMMA1002892,	MAMMA1002909,	MAMMA1002937,	MAMMA1002947,	MAMMA1002964,	MAMMA1002970,
	MAMMA1003013,	MAMMA1003150,	NT2RM1000039,	NT2RM1000062,	NT2RM1000080,	NT2RM1000086,
	NT2RM1000127,	NT2RM1000132,	NT2RM1000187,	NT2RM1000199,	NT2RM1000244,	NT2RM1000256,

	NT2RM1000272,	NT2RM1000318,	NT2RM1000354,	NT2RM1000377,	NT2RM1000430,	NT2RM1000499,
	NT2RM1000539,	NT2RM1000553,	NT2RM1000563,	NT2RM1000699,	NT2RM1000742,	NT2RM1000826,
	NT2RM1000829,	NT2RM1000833,	NT2RM1000882,	NT2RM1000898,	NT2RM1000905,	NT2RM1001092,
	NT2RM2000013,	NT2RM2000032,	NT2RM2000042,	NT2RM2000101,	NT2RM2000124,	NT2RM2000192,
5	NT2RM2000259,	NT2RM2000260,	NT2RM2000363,	NT2RM2000368,	NT2RM2000402,	NT2RM2000452,
	NT2RM2000952,	NT2RM2001221,	NT2RM2002014,	NT2RM2002030,	NT2RM4000156,	NT2RM4000349,
	NT2RM4000395,	NT2RM4000457,	NT2RM4000511,	NT2RM4000514,	NT2RM4000698,	NT2RM4000764,
	NT2RM4001016,	NT2RM4001084,	NT2RM4001594,	NT2RM4001629,		
	NT2RM4001662,	NT2RM4001841,	NT2RM4002093,	NT2RM4002109,	NT2RM4002145,	NT2RM4002189,
10	NT2RM4002194,	NT2RM4002226,	NT2RP1000170,	NT2RP1000439,	NT2RP1000478,	NT2RP1000513,
	NT2RP1000701,	NT2RP1000856,	NT2RP1001361,	NT2RP2000097,	NT2RP2000239,	NT2RP2000288,
	NT2RP2000328,	NT2RP2000329,	NT2RP2000369,	NT2RP2000422,	NT2RP2000842,	NT2RP2000965,
	NT2RP2001245,	NT2RP2001440,	NT2RP2001560,	NT2RP2001634,	NT2RP2001663,	NT2RP2001677,
	NT2RP2001762,	NT2RP2002270,	NT2RP2002312,	NT2RP2002316,	NT2RP2002333,	NT2RP2002706,
15	NT2RP2002925,	NT2RP2002959,	NT2RP2002987,	NT2RP2003125,	NT2RP2003137,	NT2RP2003237,
	NT2RP2003272,	NT2RP2003596,	NT2RP2003604,	NT2RP2003643,	NT2RP2003968,	NT2RP2003976,
	NT2RP2004194,	NT2RP2004321,	NT2RP2005037,	NT2RP2005140,	NT2RP2005204,	NT2RP2005293,
	NT2RP2005457,	NT2RP2005555,	NT2RP2005600,	NT2RP2005701,	NT2RP2005719,	NT2RP2005722,
	NT2RP2005773,	NT2RP2005890,	NT2RP2006023,	NT2RP2006071,	NT2RP3000186,	NT2RP3000341,
20	NT2RP3000599,	NT2RP3000632,	NT2RP3000644,	NT2RP3000852,	NT2RP3000968,	NT2RP3001096,
	NT2RP3001109,	NT2RP3001126,	NT2RP3001147,	NT2RP3001449,	NT2RP3001529,	NT2RP3001753,
	NT2RP3001854,	NT2RP3001915,	NT2RP3001969,	NT2RP3002081,	NT2RP3002142,	NT2RP3002399,
	NT2RP3002590,	NT2RP3002603,	NT2RP3002810,	NT2RP3002876,	NT2RP3003311,	NT2RP3003330,
	NT2RP3003672,	NT2RP3004209,	NT2RP3004378,	NT2RP4000078,	NT2RP4000541,	NT2RP4000588,
25	NT2RP4001219,	NT2RP4001228,	NT2RP4001276,	NT2RP4001507,	NT2RP4002047,	NT2RP5003459,
	NT2RP5003492,	OVARC1000085,	OVARC1000087,	OVARC1000106,	OVARC1000151,	OVARC1000198,
	OVARC1000431,	OVARC1000440,	OVARC1000564,	OVARC1000605,	OVARC1000679,	OVARC1000883,
	OVARC1000912,	OVARC1000960,	OVARC1000971,	OVARC1001038,	OVARC1001055,	OVARC1001085,
	OVARC1001129,	OVARC1001167,	OVARC1001339,	OVARC1001425,	OVARC1001745,	OVARC1001762,
30	OVARC1001766,	OVARC1001942,	OVARC1002044,	OVARC1002138,	PLACE1000004,	PLACE1000005,
	PLACE1000420,	PLACE1000547,	PLACE1000562,	PLACE1000653,	PLACE1001168,	PLACE1001311,
	PLACE1001377,	PLACE1001920,	PLACE1001983,	PLACE1002066,	PLACE1002072,	PLACE1002140,
	PLACE1002171,	PLACE1002319,	PLACE1002474,	PLACE1002499,	PLACE1002532,	PLACE1002665,
	PLACE1003025,	PLACE1003145,	PLACE1003361,	PLACE1003605,	PLACE1003704,	PLACE1003783,
35	PLACE1003885,	PLACE1004405,	PLACE1004629,	PLACE1004686,	PLACE1004930,	PLACE1005066,
	PLACE1005077,	PLACE1005630,	PLACE1005876,	PLACE1006143,	PLACE1006325,	PLACE1006488,
	PLACE1006805,	PLACE1006829,	PLACE1007286,	PLACE1007858,	PLACE1008201,	PLACE1009045,
	PLACE1009113,	PLACE1009621,	PLACE1010106,	PLACE1010310,	PLACE1010622,	PLACE1010944,
	PLACE1010965,	PLACE1011185,	PLACE1011332,	PLACE1011635,	PLACE1011646,	PLACE1011725,
40	PLACE2000014,	PLACE2000264,	PLACE2000394,	PLACE2000419,	PLACE3000160,	PLACE3000220,
	PLACE3000254,	PLACE3000271,	PLACE3000339,	PLACE3000341,	PLACE3000350,	PLACE3000353,
	PLACE3000401,	PLACE4000300,	SKNMC1000091,	THYRO1000855,	THYRO1001559,	Y79AA1000065,
	Y79AA1000202,	Y79AA1000214,	Y79AA1000346,	Y79AA1000784,	Y79AA1000833,	Y79AA1000968,
	Y79AA1001555,	Y79AA1002220				
45	[0091] On the other hand, clones with decreased expression levels in the presence of TNF α are:					
	HEMBA1002150,	HEMBA1002240,	NT2RM2000469,	NT2RM2000984,	NT2RM2001688,	NT2RM4000290,
	NT2RM4000496,	NT2RM4000590,	NT2RM4001047,	NT2RM4001582,	NT2RM4001611,	NT2RM4001650,
	NT2RM4002075,	NT2RM4002128,	NT2RP1000174,	NT2RP1000243,	NT2RP1000581,	NT2RP1000688,
	NT2RP1000767,	NT2RP1000825,	NT2RP1001185,	NT2RP1001286,	NT2RP1001432,	NT2RP1001457,
50	NT2RP2000001,	NT2RP2000248,	NT2RP2000841,	NT2RP2001813,	NT2RP2002137,	NT2RP2002928,
	NT2RP2003517,	NT2RP2003559,	NT2RP2003584,	NT2RP2004933,	NT2RP2005038,	NT2RP2006365,
	NT2RP3000072,	NT2RP3000320,	NT2RP3000484,	NT2RP3000980,	NT2RP3001111,	NT2RP3001420,
	NT2RP3001495,	NT2RP3002056,	NT2RP3002057,	NT2RP3002545,	NT2RP3002713,	NT2RP3002799,
	NT2RP3002869,	NT2RP3002953,	NT2RP3002955,	NT2RP3003282,	NT2RP3003290,	NT2RP3003384,
55	NT2RP3003385,	NT2RP3003870,	NT2RP3004207,	NT2RP3004262,	NT2RP3004527,	NT2RP4000500,
	NT2RP4000524,	NT2RP4000787,	NT2RP4000927,	NT2RP4000955,	NT2RP4000989,	NT2RP4001442,
	NT2RP4001638,	NT2RP4001950,	NT2RP4002888,	NT2RP5003524,	OVARC1001270,	PLACE1000246,
	PLACE1002816,					

[0092] These are rheumatoid arthritis-associated clones.

[0093] A survey of genes of which expression levels are varied in primary cultured skin fibroblast cells exposed to ultraviolet light has revealed the following clones with elevated expression levels by ultraviolet radiation:

HEMBA1000542, HEMBA1001808, HEMBA1002177, HEMBA1003314, MAMMA1001874, NT2RM2001100,
 5 NT2RP2005732, NT2RP3000592, NT2RP4000657, OVARC 1000004, OVARC1001092, OVARC1001342,
 PLACE1002816, NT2RM4001002, NT2RM4001813, NT2RM4002266, NT2RP2001174, NT2RP2001196,
 NT2RP2005358, NT2RP3000690, NT2RP3001216, NT2RP3003464, PLACE1006382, THYRO1000070,
 THYRO1001100, Y79AA1000342

[0094] On the other hand, the expression levels of the following clones were decreased by ultraviolet radiation:

10 HEMBA1000005, HEMBA1000150, HEMBA1000156, HEMBA1000158, HEMBA1000168, HEMBA1000231,
 HEMBA1000304, HEMBA1000307, HEMBA1000333, HEMBA1000366, HEMBA1000369, HEMBA1000390,
 HEMBA1000396, HEMBA1000418, HEMBA1000434, HEMBA1000464, HEMBA1000469, HEMBA1000490,
 HEMBA1000504, HEMBA1000505, HEMBA1000557, HEMBA1000657, HEMBA1000673, HEMBA1000682,
 HEMBA1000686, HEMBA1000727, HEMBA1000752, HEMBA1000851, HEMBA1000852, HEMBA1000870,
 15 HEMBA1000872, HEMBA1001085, HEMBA1001121, HEMBA1001133, HEMBA1001235, HEMBA1001265,
 HEMBA1001281, HEMBA1001289, HEMBA1001299, HEMBA1001303, HEMBA1001310, HEMBA1001323,
 HEMBA1001595, HEMBA1001620, HEMBA1001640, HEMBA1001678, HEMBA1001712, HEMBA1001835,
 HEMBA1001950, HEMBA1001987, HEMBA1002253, HEMBA1002321, HEMBA1002341, HEMBA1002419,
 HEMBA1002679, HEMBA1002728, HEMBA1002818, HEMBA1002935, HEMBA1002999, HEMBA1003034,
 20 HEMBA1003071, HEMBA1003098, HEMBA1003142, HEMBA1003175, HEMBA1003202, HEMBA1003212,
 HEMBA1003220, HEMBA1003276, HEMBA1003373, HEMBA1003417, HEMBA1003447, HEMBA1003528,
 HEMBA1003684, HEMBA1003799, HEMBA1003885, HEMBA1003989, HEMBA1004011, HEMBA1004055,
 HEMBA1004133, HEMBA1004225, HEMBA1004272, HEMBA1004353, HEMBA1004631, HEMBA1004669,
 HEMBA1004705, HEMBA1004753, HEMBA1004776, HEMBA1004803, HEMBA1004816, HEMBA1004900,
 25 HEMBA1005047, HEMBA1005079, HEMBA1005101, HEMBA1005149, HEMBA1005152, HEMBA1005202,
 HEMBA1005314, HEMBA1005372, HEMBA1005511, HEMBA1005513, HEMBA1005518, HEMBA1005570,
 HEMBA1005577, HEMBA1005581, HEMBA1005588, HEMBA1005609, HEMBA1005632, HEMBA1005853,
 HEMBA1006031, HEMBA1006035, HEMBA1006485, HEMBA1006486, HEMBA1006502, HEMBA1006696,
 HEMBA1006789, HEMBA1006796, HEMBA1007085, HEMBA1007224, HEMBA1007301, HEMBA1007319,
 30 HEMBA1007341, HEMBA1007342, HEMBB1000036, HEMBB1000037, HEMBB1000217, HEMBB1000266,
 HEMBB1000317, HEMBB1000336, HEMBB1000354, HEMBB1000369, HEMBB1000399, HEMBB1000434,
 HEMBB1000438, HEMBB1000592, HEMBB1000673, HEMBB1000789, HEMBB1000810, HEMBB1000883,
 HEMBB1000887, HEMBB1001105, HEMBB1001182, HEMBB1001242, HEMBB1001267, HEMBB1001424,
 HEMBB1001464, HEMBB1001531, HEMBB1001618, HEMBB1001996, HEMBB1002092, HEMBB1002139,
 35 HEMBB1002142, HEMBB1002190, HEMBB1002453, HEMBB1002520, HEMBB1002550, HEMBB1002556,
 HEMBB1002600, HEMBB1002664, MAMMA1000009, MAMMA1000055, MAMMA1000069, MAMMA1000133,
 MAMMA1000171, MAMMA1000173, MAMMA1000287, MAMMA1000416, MAMMA1000585, MAMMA1000713,
 MAMMA1000760, MAMMA1000798, MAMMA1000831, MAMMA1000875, MAMMA1000876, MAMMA1000877,
 MAMMA1000906, MAMMA1000931, MAMMA1000962, MAMMA1001133, MAMMA1001139, MAMMA1001243,
 40 MAMMA1001271, MAMMA1001274, MAMMA1001298, MAMMA1001606, MAMMA1001630, MAMMA1001670,
 MAMMA1001743, MAMMA1001751, MAMMA1002140, MAMMA1002145, MAMMA1002158, MAMMA1002170,
 MAMMA1002236, MAMMA1002311, MAMMA1002498, MAMMA1002754, MAMMA1002780, MAMMA1002820,
 MAMMA1002843, MAMMA1002844, MAMMA1002871, MAMMA1003047, NT2RM1000037, NT2RM1000039,
 NT2RM1000080, NT2RM1000086, NT2RM1000341, NT2RM1000499, NT2RM1000669, NT2RM1000746,
 45 NT2RM1000781, NT2RM1000885, NT2RM1000905, NT2RM1000962, NT2RM2000239, NT2RM2000260,
 NT2RM2000371, NT2RM2000639, NT2RM2000649, NT2RM2000735, NT2RM2000821, NT2RM2000984,
 NT2RM2001035, NT2RM2001065, NT2RM2001105, NT2RM2001177, NT2RM2001194, NT2RM2001196,
 NT2RM2001243, NT2RM2001256, NT2RM2001424, NT2RM2001588, NT2RM2001635, NT2RM2001648,
 NT2RM2001652, NT2RM2001668, NT2RM2001706, NT2RM2001727, NT2RM2001730, NT2RM2001743,
 50 NT2RM2001753, NT2RM2001760, NT2RM2001771, NT2RM2001785, NT2RM2001800, NT2RM2001855,
 NT2RM2001896, NT2RM2001997, NT2RM2002030, NT2RM2002049, NT2RM2002091, NT2RM2002142,
 NT2RM2002145, NT2RM2002178, NT2RM2002580, NT2RM4000215, NT2RM4000344, NT2RM4000368,
 NT2RM4000421, NT2RM4000425, NT2RM4000457, NT2RM4000496, NT2RM4000515, NT2RM4000712,
 NT2RM4000787, NT2RM4000813, NT2RM4000820, NT2RM4000852, NT2RM4000950, NT2RM4000996,
 55 NT2RM4001016, NT2RM4001047, NT2RM4001054, NT2RM4001140, NT2RM4001151, NT2RM4001187,
 NT2RM4001204, NT2RM4001258, NT2RM4001437, NT2RM4001454, NT2RM4001489, NT2RM4001605,
 NT2RM4001611, NT2RM4001666, NT2RM4001710, NT2RM4001714, NT2RM4001715, NT2RM4001731,
 NT2RM4001741, NT2RM4001746, NT2RM4001856, NT2RM4001938, NT2RM4001940, NT2RM4001984,

	NT2RM4001987,	NT2RM4002013,	NT2RM4002054,	NT2RM4002055,	NT2RM4002073,	NT2RM4002145,
	NT2RM4002146,	NT2RM4002161,	NT2RM4002174,	NT2RM4002194,	NT2RM4002205,	NT2RM4002213,
	NT2RM4002266,	NT2RM4002278,	NT2RM4002558,	NT2RM4002565,	NT2RM4002593,	NT2RM4002594,
	NT2RP1000063,	NT2RP1000111,	NT2RP1000124,	NT2RP1000174,	NT2RP1000348,	NT2RP1000443,
5	NT2RP1000522,	NT2RP1000677,	NT2RP1000695,	NT2RP1000730,	NT2RP1000767,	NT2RP1000834,
	NT2RP1000856,	NT2RP1000944,	NT2RP1001014,	NT2RP1001073,	NT2RP1001079,	NT2RP1001177,
	NT2RP1001185,	NT2RP1001199,	NT2RP1001253,	NT2RP1001310,	NT2RP1001313,	NT2RP1001385,
	NT2RP1001410,	NT2RP1001449,	NT2RP1001546,	NT2RP2000120,	NT2RP2000126,	NT2RP2000205,
	NT2RP2000224,	NT2RP2000274,	NT2RP2000298,	NT2RP2000310,	NT2RP2000327,	NT2RP2000328,
10	NT2RP2000329,	NT2RP2000337,	NT2RP2000369,	NT2RP2000414,	NT2RP2000498,	NT2RP2000510,
	NT2RP2000715,	NT2RP2000819,	NT2RP2000931,	NT2RP2000938,	NT2RP2001044,	NT2RP2001065,
	NT2RP2001081,	NT2RP2001137,	NT2RP2001312,	NT2RP2001327,	NT2RP2001366,	NT2RP2001381,
	NT2RP2001420,	NT2RP2001427,	NT2RP2001449,	NT2RP2001511,	NT2RP2001526,	NT2RP2001560,
	NT2RP2001576,	NT2RP2001581,	NT2RP2001601,	NT2RP2001613,	NT2RP2001628,	NT2RP2001663,
15	NT2RP2001675,	NT2RP2001677,	NT2RP2001678,	NT2RP2001699,	NT2RP2001721,	NT2RP2001740,
	NT2RP2001813,	NT2RP2001861,	NT2RP2001876,	NT2RP2001907,	NT2RP2001926,	NT2RP2001946,
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	HEMBA1000519,	HEMBA1000591,	HEMBA1000592,	HEMBA1000636,	HEMBA1000637,	HEMBA1000722,
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	NT2RM1000661,	NT2RM1000699,	NT2RM1000770,	NT2RM1000780,	NT2RM1000800,	NT2RM1000802,
	NT2RM1000894,	NT2RM1000898,	NT2RM1001003,	NT2RM1001043,	NT2RM1001044,	NT2RM1001074,
	NT2RM1001139,	NT2RM2000101,	NT2RM2000368,	NT2RM2000402,	NT2RM2000407,	NT2RM2000422,
15	NT2RM2000577,	NT2RM2000581,	NT2RM2000612,	NT2RM2000691,	NT2RM2000714,	NT2RM2000718,
	NT2RM2000837,	NT2RM2001131,	NT2RM2001152,	NT2RM2001221,	NT2RM2001238,	NT2RM2001306,
	NT2RM2001420,	NT2RM2001524,	NT2RM2001582,	NT2RM2001592,	NT2RM2001632,	NT2RM2001659,
	NT2RM2001671,	NT2RM2001675,	NT2RM2001696,	NT2RM2001716,	NT2RM2001803,	NT2RM2001805,
	NT2RM2001903,	NT2RM2001983,	NT2RM4000085,	NT2RM4000155,	NT2RM4000229,	NT2RM4000290,
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	NT2RM4000616,	NT2RM4000700,	NT2RM4000741,	NT2RM4000751,	NT2RM4000778,	NT2RM4000779,
	NT2RM4000848,	NT2RM4000855,	NT2RM4000887,	NT2RM4000895,	NT2RM4001032,	NT2RM4001203,
	NT2RM4001316,	NT2RM4001414,	NT2RM4001483,	NT2RM4001519,	NT2RM4001522,	NT2RM4001557,
	NT2RM4001565,	NT2RM4001582,	NT2RM4001629,	NT2RM4001682,	NT2RM4001776,	NT2RM4001783,
25	NT2RM4002075,	NT2RM4002093,	NT2RM4002109,	NT2RM4002189,	NT2RM4002256,	NT2RM4002294,
	NT2RM4002373,	NT2RM4002504,	NT2RP1000035,	NT2RP1000040,	NT2RP1000086,	NT2RP1000112,
	NT2RP1000163,	NT2RP1000358,	NT2RP1000409,	NT2RP1000478,	NT2RP1000481,	NT2RP1000574,
	NT2RP1000577,	NT2RP1000629,	NT2RP1000630,	NT2RP1000688,	NT2RP1000733,	NT2RP1000796,
	NT2RP1000916,	NT2RP1000959,	NT2RP1000966,	NT2RP1001011,	NT2RP1001033,	NT2RP1001286,
30	NT2RP1001302,	NT2RP1001361,	NT2RP1001457,	NT2RP1001482,	NT2RP2000054,	NT2RP2000079,
	NT2RP2000091,	NT2RP2000097,	NT2RP2000161,	NT2RP2000195,	NT2RP2000232,	NT2RP2000233,
	NT2RP2000248,	NT2RP2000283,	NT2RP2000422,	NT2RP2000438,	NT2RP2000448,	NT2RP2000459,
	NT2RP2000731,	NT2RP2000758,	NT2RP2000764,	NT2RP2000892,	NT2RP2000943,	NT2RP2001036,
	NT2RP2001070,	NT2RP2001218,	NT2RP2001467,	NT2RP2001506,	NT2RP2001520,	NT2RP2001597,
35	NT2RP2001634,	NT2RP2001660,	NT2RP2001762,	NT2RP2001947,	NT2RP2001991,	NT2RP2002033,
	NT2RP2002041,	NT2RP2002047,	NT2RP2002066,	NT2RP2002070,	NT2RP2002193,	NT2RP2002235,
	NT2RP2002252,	NT2RP2002394,	NT2RP2002537,	NT2RP2002727,	NT2RP2002736,	NT2RP2002752,
	NT2RP2002753,	NT2RP2002769,	NT2RP2002778,	NT2RP2002857,	NT2RP2002928,	NT2RP2002954,
	NT2RP2002980,	NT2RP2002986,	NT2RP2003121,	NT2RP2003161,	NT2RP2003272,	NT2RP2003329,
40	NT2RP2003339,	NT2RP2003391,	NT2RP2003393,	NT2RP2003394,	NT2RP2003401,	NT2RP2003466,
	NT2RP2003513,	NT2RP2003564,	NT2RP2003581,	NT2RP2003629,	NT2RP2003727,	NT2RP2003764,
	NT2RP2003793,	NT2RP2003840,	NT2RP2003885,	NT2RP2004066,	NT2RP2004187,	NT2RP2004226,
	NT2RP2004242,	NT2RP2004245,	NT2RP2004316,	NT2RP2004366,	NT2RP2004396,	NT2RP2004463,
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45	NT2RP2004841,	NT2RP2004897,	NT2RP2004933,	NT2RP2004936,	NT2RP2004961,	NT2RP2004967,
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	NT2RP2005162,	NT2RP2005276,	NT2RP2005288,	NT2RP2005315,	NT2RP2005344,	NT2RP2005407,
	NT2RP2005453,	NT2RP2005457,	NT2RP2005476,	NT2RP2005490,	NT2RP2005525,	NT2RP2005540,
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	NT2RP3000584,	NT2RP3000590,	NT2RP3000685,	NT2RP3000759,	NT2RP3000847,	NT2RP3000865,
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5	NT2RP3003491,	NT2RP3003543,	NT2RP3003665,	NT2RP3003918,	NT2RP3003932,	NT2RP3004110,
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	NT2RP3004504,	NT2RP3004507,	NT2RP3004527,	NT2RP3004544,	NT2RP3004572,	NT2RP3004578,
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10	NT2RP4000997,	NT2RP4001004,	NT2RP4001010,	NT2RP4001078,	NT2RP4001122,	NT2RP4001126,
	NT2RP4001149,	NT2RP4001206,	NT2RP4001219,	NT2RP4001260,	NT2RP4001339,	NT2RP4001353,
	NT2RP4001414,	NT2RP4001442,	NT2RP4001447,	NT2RP4001474,	NT2RP4001551,	NT2RP4001803,
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	OVARC1000576,	OVARC1000640,	OVARC1000649,	OVARC1000682,	OVARC1000689,	OVARC1000771,
	OVARC1000885,	OVARC1000890,	OVARC1000936,	OVARC1000964,	OVARC1001065,	OVARC1001068,
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20	OVARC1001372,	OVARC1001391,	OVARC1001453,	OVARC1001476,	OVARC1001480,	OVARC1001547,
	OVARC1001555,	OVARC1001610,	OVARC1001711,	OVARC1001713,	OVARC1001726,	OVARC1001766,
	OVARC1001767,	OVARC1001768,	OVARC1001805,	OVARC1001809,	OVARC1001828,	OVARC1001846,
	OVARC1001901,	OVARC1001943,	OVARC1002138,	OVARC1002156,	PLACE1000005,	PLACE1000007,
	PLACE1000040,	PLACE1000048,	PLACE1000133,	PLACE1000214,	PLACE1000347,	PLACE1000374,
25	PLACE1000424,	PLACE1000492,	PLACE1000547,	PLACE1000564,	PLACE1000599,	PLACE1000653,
	PLACE1000706,	PLACE1000748,	PLACE1000749,	PLACE1000755,	PLACE1000841,	PLACE1000849,
	PLACE1000856,	PLACE1000931,	PLACE1000987,	PLACE1001015,	PLACE1001024,	PLACE1001054,
	PLACE1001062,	PLACE1001118,	PLACE1001168,	PLACE1001238,	PLACE1001377,	PLACE1001383,
	PLACE1001384,	PLACE1001399,	PLACE1001440,	PLACE1001503,	PLACE1001545,	PLACE1001611,
30	PLACE1001640,	PLACE1001691,	PLACE1001705,	PLACE1001740,	PLACE1001817,	PLACE1001844,
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	PLACE1002157,	PLACE1002171,	PLACE1002205,	PLACE1002213,	PLACE1002474,	PLACE1002500,
	PLACE1002529,	PLACE1002537,	PLACE1002598,	PLACE1002655,	PLACE1002908,	PLACE1003045,
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35	PLACE1003361,	PLACE1003366,	PLACE1003369,	PLACE1003420,	PLACE1003454,	PLACE1003553,
	PLACE1003566,	PLACE1003583,	PLACE1003669,	PLACE1003711,	PLACE1003723,	PLACE1003738,
	PLACE1003760,	PLACE1003762,	PLACE1003771,	PLACE1003783,	PLACE1003850,	PLACE1003858,
	PLACE1003915,	PLACE1004128,	PLACE1004161,	PLACE1004183,	PLACE1004197,	PLACE1004302,
	PLACE1004358,	PLACE1004437,	PLACE1004460,	PLACE1004471,	PLACE1004506,	PLACE1004518,
40	PLACE1004646,	PLACE1004722,	PLACE1004793,	PLACE1004804,	PLACE1004838,	PLACE1004868,
	PLACE1004900,	PLACE1004902,	PLACE1004969,	PLACE1004979,	PLACE1005086,	PLACE1005162,
	PLACE1005243,	PLACE1005266,	PLACE1005313,	PLACE1005584,	PLACE1005698,	PLACE1005727,
	PLACE1005739,	PLACE1005851,	PLACE1005925,	PLACE1006196,	PLACE1006248,	PLACE1006262,
	PLACE1006335,	PLACE1006360,	PLACE1006385,	PLACE1006412,	PLACE1006414,	PLACE1006445,
45	PLACE1006598,	PLACE1006629,	PLACE1006640,	PLACE1006792,	PLACE1006815,	PLACE1006901,
	PLACE1006917,	PLACE1006962,	PLACE1007021,	PLACE1007045,	PLACE1007112,	PLACE1007226,
	PLACE1007243,	PLACE1007454,	PLACE1007547,	PLACE1007598,	PLACE1007618,	PLACE1007645,
	PLACE1007649,	PLACE1007706,	PLACE1007725,	PLACE1007746,	PLACE1007843,	PLACE1007877,
	PLACE1007954,	PLACE1007969,	PLACE1008002,	PLACE1008095,	PLACE1008111,	PLACE1008132,
50	PLACE1008273,	PLACE1008275,	PLACE1008331,	PLACE1008356,	PLACE1008368,	PLACE1008402,
	PLACE1008603,	PLACE1008650,	PLACE1008696,	PLACE1008757,	PLACE1008807,	PLACE1008867,
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	PLACE1009230,	PLACE1009319,	PLACE1009338,	PLACE1009375,	PLACE1009434,	PLACE1009613,
	PLACE1009637,	PLACE1009659,	PLACE1009763,	PLACE1009845,	PLACE1009921,	PLACE1009971,
55	PLACE1009992,	PLACE1010023,	PLACE1010053,	PLACE1010069,	PLACE1010074,	PLACE1010181,
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	PLACE1010492,	PLACE1010522,	PLACE1010616,	PLACE1010624,	PLACE1010631,	PLACE1010786,
	PLACE1011032,	PLACE1011114,	PLACE1011221,	PLACE1011325,	PLACE1011520,	PLACE1011635,

	PLACE1011649,	PLACE1011682,	PLACE1011875,	PLACE1011896,	PLACE1011964,	PLACE1012031,
	PLACE2000015,	PLACE2000021,	PLACE2000047,	PLACE2000072,	PLACE2000097,	PLACE2000136,
	PLACE2000246,	PLACE2000302,	PLACE2000379,	PLACE2000394,	PLACE2000425,	PLACE2000427,
	PLACE2000477,	PLACE3000009,	PLACE3000070,	PLACE3000142,	PLACE3000145,	PLACE3000148,
5	PLACE3000155,	PLACE3000169,	PLACE3000208,	PLACE3000230,	PLACE3000322,	PLACE3000331,
	PLACE3000352,	PLACE3000401,	PLACE3000413,	PLACE3000425,	PLACE3000477,	PLACE4000009,
	PLACE4000049,	PLACE4000089,	PLACE4000100,	PLACE4000247,	PLACE4000250,	PLACE4000252,
	PLACE4000300,	PLACE4000344,	PLACE4000367,	PLACE4000465,	PLACE4000489,	PLACE4000638,
	SKNMC1000013,	THYRO1000017,	THYRO1000026,	THYRO1000034,	THYRO1000072,	THYRO1000132,
10	THYRO1000173,	THYRO1000190,	THYRO1000197,	THYRO1000221,	THYRO1000253,	THYRO1000270,
	THYRO1000279,	THYRO1000327,	THYRO1000394,	THYRO1000438,	THYRO1000558,	THYRO1000569,
	THYRO1000585,	THYRO1000596,	THYRO1000625,	THYRO1000637,	THYRO1000676,	THYRO1000734,
	THYRO1000777,	THYRO1000783,	THYRO1000805,	THYRO1000843,	THYRO1000934,	THYRO1001033,
	THYRO1001347,	THYRO1001405,	THYRO1001411,	THYRO1001534,	THYRO1001573,	THYRO1001584,
15	THYRO1001602,	THYRO1001605,	THYRO1001772,	THYRO1001854,	VESEN1000122,	Y79AA1000037,
	Y79AA1000065,	Y79AA1000181,	Y79AA1000231,	Y79AA1000349,	Y79AA1000355,	Y79AA1000368,
	Y79AA1000538,	Y79AA1000782,	Y79AA1001023,	Y79AA1001145,	Y79AA1001391,	Y79AA1001541,
	Y79AA1001585,	Y79AA1001705,	Y79AA1001781,	Y79AA1001923,	Y79AA1001963,	Y79AA1002125,
	Y79AA1002229, Y79AA1002407, Y79AA1002487					
20	[0095] These clones are associated with ultraviolet radiation damage.					
	[0096] A survey of genes of which expression levels are varied in response to the stimulation for inducing cell differentiation (stimulation using retinoic acid (RA) or using RA/inhibitor (inhibitor for cell division)) in culture cells of neural strain, NT2, revealed the following clones with elevated expression levels in the presence of RA:					
	HEMBA1000005,	HEMBA1000042,	HEMBA1000046,	HEMBA1000076,	HEMBA1000111,	HEMBA1000141,
25	HEMBA1000150,	HEMBA1000185,	HEMBA1000282,	HEMBA1000304,	HEMBA1000307,	HEMBA1000338,
	HEMBA1000357,	HEMBA1000376,	HEMBA1000387,	HEMBA1000392,	HEMBA1000428,	HEMBA1000456,
	HEMBA1000459,	HEMBA1000469,	HEMBA1000504,	HEMBA1000508,	HEMBA1000519,	HEMBA1000540,
	HEMBA1000545,	HEMBA1000557,	HEMBA1000563,	HEMBA1000568,	HEMBA1000575,	HEMBA1000588,
	HEMBA1000592,	HEMBA1000604,	HEMBA1000622,	HEMBA1000655,	HEMBA1000673,	HEMBA1000682,
30	HEMBA1000726,	HEMBA1000727,	HEMBA1000749,	HEMBA1000769,	HEMBA1000774,	HEMBA1000791,
	HEMBA1000822,	HEMBA1000872,	HEMBA1000876,	HEMBA1000910,	HEMBA1000942,	HEMBA1000943,
	HEMBA1000960,	HEMBA1000972,	HEMBA1000974,	HEMBA1000991,	HEMBA1001008,	HEMBA1001020,
	HEMBA1001043,	HEMBA1001051,	HEMBA1001060,	HEMBA1001071,	HEMBA1001077,	HEMBA1001085,
	HEMBA1001094,	HEMBA1001109,	HEMBA1001121,	HEMBA1001122,	HEMBA1001140,	HEMBA1001172,
35	HEMBA1001226,	HEMBA1001235,	HEMBA1001265,	HEMBA1001281,	HEMBA1001294,	HEMBA1001299,
	HEMBA1001319,	HEMBA1001323,	HEMBA1001330,	HEMBA1001351,	HEMBA1001361,	HEMBA1001377,
	HEMBA1001388,	HEMBA1001391,	HEMBA1001398,	HEMBA1001432,	HEMBA1001435,	HEMBA1001442,
	HEMBA1001454,	HEMBA1001455,	HEMBA1001497,	HEMBA1001517,	HEMBA1001569,	HEMBA1001570,
	HEMBA1001581,	HEMBA1001585,	HEMBA1001620,	HEMBA1001711,	HEMBA1001718,	HEMBA1001723,
40	HEMBA1001761,	HEMBA1001815,	HEMBA1001819,	HEMBA1001861,	HEMBA1001864,	HEMBA1001869,
	HEMBA1001888,	HEMBA1001915,	HEMBA1001918,	HEMBA1001940,	HEMBA1001964,	HEMBA1001967,
	HEMBA1001979,	HEMBA1001987,	HEMBA1001991,	HEMBA1002008,	HEMBA1002022,	HEMBA1002039,
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	NT2RP3004572,	NT2RP4000035,	NT2RP4000147,	NT2RP4000167,	NT2RP4000212,	NT2RP4000214,
55	NT2RP4000259,	NT2RP4000360,	NT2RP4000381,	NT2RP4000398,	NT2RP4000424,	NT2RP4000448,
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	NT2RP4001677,	NT2RP4001679,	NT2RP4001730,	NT2RP4001803,	NT2RP4001889,	NT2RP4001946,
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5	OVARC1000414,	OVARC1000442,	OVARC1000443,	OVARC1000486,	OVARC1000520,	OVARC1000526,
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	OVARC1000800,	OVARC1000846,	OVARC1000862,	OVARC1000885,	OVARC1000924,	OVARC1000936,
	OVARC1000959,	OVARC1000960,	OVARC1000971,	OVARC1000984,	OVARC1000996,	OVARC1000999,
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15	OVARC1001802,	OVARC1001812,	OVARC1001820,	OVARC1001873,	OVARC1001883,	OVARC1001949,
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25	PLACE1001484,	PLACE1001503,	PLACE1001570,	PLACE1001603,	PLACE1001608,	PLACE1001610,
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	PLACE1006795,	PLACE1006800,	PLACE1006860,	PLACE1006904,	PLACE1006961,	PLACE1006962,
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55	PLACE1007807,	PLACE1007829,	PLACE1007858,	PLACE1008002,	PLACE1008129,	PLACE1008132,
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5	PLACE1010630,	PLACE1010631,	PLACE1010702,	PLACE1010739,	PLACE1010761,	PLACE1010833,
	PLACE1010870,	PLACE1010896,	PLACE1010916,	PLACE1010925,	PLACE1010942,	PLACE1010954,
	PLACE1010965,	PLACE1011041,	PLACE1011046,	PLACE1011054,	PLACE1011057,	PLACE1011090,
	PLACE1011109,	PLACE1011203,	PLACE1011214,	PLACE1011296,	PLACE1011340,	PLACE1011433,
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10	PLACE1011729,	PLACE1011749,	PLACE1011762,	PLACE1011783,	PLACE1011874,	PLACE1011995,
	PLACE2000017,	PLACE2000021,	PLACE2000033,	PLACE2000039,	PLACE2000047,	PLACE2000062,
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	PLACE2000302,	PLACE2000305,	PLACE2000335,	PLACE2000342,	PLACE2000347,	PLACE2000379,
	PLACE2000394,	PLACE2000433,	PLACE2000450,	PLACE2000465,	PLACE3000103,	PLACE3000119,
15	PLACE3000121,	PLACE3000124,	PLACE3000155,	PLACE3000158,	PLACE3000207,	PLACE3000220,
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	PLACE3000362,	PLACE3000365,	PLACE3000388,	PLACE3000399,	PLACE3000400,	PLACE3000401,
	PLACE3000402,	PLACE3000425,	PLACE3000455,	PLACE4000034,	PLACE4000049,	PLACE4000089,
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20	PLACE4000431,	PLACE4000445,	PLACE4000465,	PLACE4000487,	PLACE4000494,	PLACE4000522,
	PLACE4000558,	PLACE4000581,	PLACE4000650,	PLACE4000654,		
	THYRO1000034,	THYRO1000085,	THYRO1000092,	THYRO1000111,	THYRO1000156,	THYRO1000163,
	THYRO1000173,	THYRO1000190,	THYRO1000197,	THYRO1000221,	THYRO1000241,	THYRO1000327,
	THYRO1000381,	THYRO1000387,	THYRO1000394,	THYRO1000488,	THYRO1000585,	THYRO1000625,
25	THYRO1000637,	THYRO1000658,	THYRO1000666,	THYRO1000676,	THYRO1000684,	THYRO1000712,
	THYRO1000734,	THYRO1000793,	THYRO1000796,	THYRO1000805,	THYRO1000815,	THYRO1000865,
	THYRO1000916,	THYRO1000934,	THYRO1000974,	THYRO1000975,	THYRO1001031,	THYRO1001062,
	THYRO1001093,	THYRO1001133,	THYRO1001173,	THYRO1001177,	THYRO1001189,	THYRO1001204,
	THYRO1001213,	THYRO1001262,	THYRO1001290,	THYRO1001320,	THYRO1001322,	THYRO1001401,
30	THYRO1001406,	THYRO1001426,	THYRO1001480,	THYRO1001487,	THYRO1001537,	THYRO1001595,
	THYRO1001617,	THYRO1001637,	THYRO1001706,	THYRO1001772,	THYRO1001828,	THYRO1001854,
	Y79AA1000059,	Y79AA1000214,	Y79AA1000355,	Y79AA1000410,	Y79AA1000538,	Y79AA1000539,
	Y79AA1000705,	Y79AA1000800,	Y79AA1000850,	Y79AA1000962,	Y79AA1000976,	Y79AA1001061,
	Y79AA1001068,	Y79AA1001493,	Y79AA1001548,	Y79AA1001585,	Y79AA1001594,	Y79AA1001696,
35	Y79AA1001711,	Y79AA1002103,	Y79AA1002115,	Y79AA1002258,	Y79AA1002361,	Y79AA1002407,
	Y79AA1002472,	Y79AA1002482				
	[0097] On the other hand, clones of which expression levels decreased by RA are as follows:					
	HEMBA1000946,	HEMBA1003569,	HEMBA1005570,	HEMBA1000915,	NT2RM1000666,	NT2RM2000092,
	NT2RM2000594,	NT2RM2001256,	NT2RM4001754,	NT2RM4001905,	NT2RP2001675,	NT2RP2002047,
40	NT2RP2005491,	NT2RP3000980,	NT2RP3002081,	NT2RP3004594,	NT2RP4001950,	NT2RP4002408,
	OVARC1000431,	OVARC1001942,	OVARC1001943,	PLACE1003190,	PLACE1004868,	PLACE1005923,
	PLACE1007257,	PLACE1010624,	Y79AA1000346			
	[0098] Clones of which expression levels increase by RA/inhibitor are as follows:					
	HEMBA1000046,	HEMBA1000307,	HEMBA1000434,	HEMBA1000504,	HEMBA1000588,	HEMBA1000682,
45	HEMBA1000726,	HEMBA1000943,	HEMBA1001071,	HEMBA1001094,	HEMBA1001122,	HEMBA1001323,
	HEMBA1001361,	HEMBA1001455,	HEMBA1001709,	HEMBA1001746,	HEMBA1001869,	HEMBA1002084,
	HEMBA1002583,	HEMBA1002628,	HEMBA1002801,	HEMBA1002937,	HEMBA1003096,	HEMBA1003142,
	HEMBA1003229,	HEMBA1003276,	HEMBA1003309,	HEMBA1003463,	HEMBA1003597,	HEMBA1003617,
	HEMBA1003725,	HEMBA1003803,	HEMBA1003879,	HEMBA1003989,	HEMBA1004000,	HEMBA1004015,
50	HEMBA1004024,	HEMBA1004049,	HEMBA1004056,	HEMBA1004199,	HEMBA1004248,	HEMBA1004356,
	HEMBA1004554,	HEMBA1004666,	HEMBA1004725,	HEMBA1004770,	HEMBA1004803,	HEMBA1004923,
	HEMBA1004934,	HEMBA1004954,	HEMBA1005039,	HEMBA1005075,	HEMBA1005113,	HEMBA1005219,
	HEMBA1005232,	HEMBA1005251,	HEMBA1005304,	HEMBA1005367,	HEMBA1005372,	HEMBA1005403,
	HEMBA1005410,	HEMBA1005411,	HEMBA1005548,	HEMBA1005581,	HEMBA1005631,	HEMBA1005666,
55	HEMBA1005755,	HEMBA1005780,	HEMBA1006067,	HEMBA1006130,	HEMBA1006364,	HEMBA1006485,
	HEMBA1006559,	HEMBA1006579,	HEMBA1006754,	HEMBA1000059,	HEMBA10000575,	HEMBA1000709,
	HEMBA1000822,	HEMBA1000848,	HEMBA1000852,	HEMBA1000913,	HEMBA1000985,	HEMBA1001117,
	HEMBA1001210,	HEMBA1001317,	HEMBA1001394,	HEMBA1001443,	HEMBA1001668,	HEMBA1001695,

	HEMBB1002049,	HEMBB1002254,	HEMBB1002266,	HEMBB1002371,	HEMBB1002502,	HEMBB1002614,
	HEMBB1002617,	HEMBB1002692,	HEMBB1002697,	MAMMA1000241,	MAMMA1000424,	MAMMA1000616,
	MAMMA1000731,	MAMMA1000824,	MAMMA1000908,	MAMMA1000956,	MAMMA1001038,	MAMMA1001091,
	MAMMA1001243,	MAMMA1001815,	MAMMA1001820,	MAMMA1002267,	MAMMA1002769,	MAMMA1002871,
5	MAMMA1002941,					
	NT2RM1000355,	NT2RM1000725,	NT2RM1000829,	NT2RM1000850,	NT2RM1000898,	NT2RM2000504,
	NT2RM2000635,	NT2RM2000718,	NT2RM2000821,	NT2RM2001370,	NT2RM2001582,	NT2RM2001592,
	NT2RM2001613,	NT2RM2001632,	NT2RM2001635,	NT2RM2001648,	NT2RM2001659,	NT2RM2001671,
	NT2RM2001695,	NT2RM2001760,	NT2RM2001782,	NT2RM2001839,	NT2RM2001879,	NT2RM2001983,
10	NT2RM4000104,	NT2RM4000290,	NT2RM4000425,	NT2RM4000433,	NT2RM4000471,	NT2RM4000531,
	NT2RM4000852,	NT2RM4001047,	NT2RM4001347,	NT2RM4001454,	NT2RM4001557,	NT2RM4001566,
	NT2RM4001582,	NT2RM4001938,	NT2RM4001953,	NT2RM4002018,	NT2RM4002409,	NT2RM4002558,
	NT2RM4002594,	NT2RP1000259,	NT2RP1000418,	NT2RP1000574,	NT2RP1000629,	NT2RP1000782,
	NT2RP1000856,	NT2RP1000943,	NT2RP1000988,	NT2RP1001013,	NT2RP1001173,	NT2RP1001546,
15	NT2RP2000091,	NT2RP2000208,	NT2RP2000274,	NT2RP2000329,	NT2RP2000369,	NT2RP2000634,
	NT2RP2000842,	NT2RP2000943,	NT2RP2000987,	NT2RP2001094,	NT2RP2001277,	NT2RP2001290,
	NT2RP2001366,	NT2RP2001423,	NT2RP2001436,	NT2RP2001467,	NT2RP2001506,	NT2RP2001601,
	NT2RP2001663,	NT2RP2001926,	NT2RP2001985,	NT2RP2002032,	NT2RP2002041,	NT2RP2002046,
	NT2RP2002078,	NT2RP2002124,	NT2RP2002185,	NT2RP2002193,	NT2RP2002312,	NT2RP2002316,
20	NT2RP2002426,	NT2RP2002457,	NT2RP2002475,	NT2RP2002520,	NT2RP2002595,	NT2RP2002643,
	NT2RP2002672,	NT2RP2002701,	NT2RP2002710,	NT2RP2002727,	NT2RP2003099,	NT2RP2003121,
	NT2RP2003137,	NT2RP2003158,	NT2RP2003206,	NT2RP2003230,	NT2RP2003272,	NT2RP2003280,
	NT2RP2003347,	NT2RP2003393,	NT2RP2003401,	NT2RP2003445,	NT2RP2003456,	NT2RP2003511,
	NT2RP2003517,	NT2RP2003543,	NT2RP2003596,	NT2RP2003706,	NT2RP2003871,	NT2RP2004681,
25	NT2RP2004743,	NT2RP2004775,	NT2RP2004933,	NT2RP2004967,	NT2RP2005003,	NT2RP2005270,
	NT2RP2005289,	NT2RP2005344,	NT2RP2005453,	NT2RP2005555,	NT2RP2005767,	NT2RP2005853,
	NT2RP2006043,	NT2RP2006393,	NT2RP2006436,	NT2RP2006441,	NT2RP2006467,	NT2RP2006534,
	NT2RP2006565,	NT2RP3000348,	NT2RP3000359,	NT2RP3000366,	NT2RP3000403,	NT2RP3000418,
	NT2RP3000441,	NT2RP3000561,	NT2RP3000759,	NT2RP3000826,	NT2RP3001007,	NT2RP3001096,
30	NT2RP3001126,	NT2RP3001355,	NT2RP3001396,	NT2RP3001449,	NT2RP3001490,	NT2RP3001679,
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	NT2RP3001989,	NT2RP3002142,	NT2RP3002248,	NT2RP3002343,	NT2RP3002484,	NT2RP3002529,
	NT2RP3002549,	NT2RP3002628,	NT2RP3002687,	NT2RP3002688,	NT2RP3002810,	NT2RP3003032,
	NT2RP3003139,	NT2RP3003193,	NT2RP3003203,	NT2RP3003204,	NT2RP3003210,	NT2RP3003212,
35	NT2RP3003264,	NT2RP3003282,	NT2RP3003500,	NT2RP3004041,	NT2RP3004215,	NT2RP4000147,
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	NT2RP4000907,	NT2RP4000989,	NT2RP4001079,	NT2RP4001150,	NT2RP4001219,	NT2RP4001260,
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40	OVARC1000526,	OVARC1000588,	OVARC1000679,	OVARC1000682,	OVARC1000769,	OVARC1000850,
	OVARC1000862,	OVARC1000886,	OVARC1000984,	OVARC1001000,	OVARC1001004,	OVARC1001154,
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	OVARC1001425,	OVARC1001476,	OVARC1001480,	OVARC1001542,	OVARC1001873,	OVARC1001928,
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45	PLACE1000014,	PLACE1000048,	PLACE1000184,	PLACE1000185,	PLACE1000246,	PLACE1000292,
	PLACE1000332,	PLACE1000347,	PLACE1000564,	PLACE1000656,	PLACE1000712,	PLACE1001000,
	PLACE1001168,	PLACE1001185,	PLACE1001241,	PLACE1001294,	PLACE1001311,	PLACE1001395,
	PLACE1001570,	PLACE1001608,	PLACE1001610,	PLACE1001716,	PLACE1001746,	PLACE1001817,
	PLACE1001821,	PLACE1001844,	PLACE1001897,	PLACE1002066,	PLACE1002119,	PLACE1002157,
50	PLACE1002205,	PLACE1002256,	PLACE1002259,	PLACE1002399,	PLACE1002438,	PLACE1002474,
	PLACE1002477,	PLACE1002500,	PLACE1002514,	PLACE1002578,	PLACE1002815,	PLACE1002851,
	PLACE1002968,	PLACE1003108,	PLACE1003174,	PLACE1003200,	PLACE1003238,	PLACE1003256,
	PLACE1003334,	PLACE1003342,	PLACE1003516,	PLACE1003521,	PLACE1003537,	PLACE1003592,
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55	PLACE1003892,	PLACE1003968,	PLACE1004103,	PLACE1004256,	PLACE1004405,	PLACE1004460,
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 PLACE1008181, PLACE1008273, PLACE1008368, PLACE1008405, PLACE1008532, PLACE1008568,
 PLACE1008625, PLACE1008696, PLACE1008867, PLACE1009027, PLACE1009039, PLACE1009045,
 PLACE1009110, PLACE1009298, PLACE1009328, PLACE1009581, PLACE1009621, PLACE1009622,
 PLACE1009637, PLACE1009925, PLACE1009935, PLACE1010089, PLACE1010106, PLACE1010152,
 10 PLACE1010274, PLACE1010491, PLACE1010629, PLACE1010630, PLACE1010714, PLACE1010739,
 PLACE1010891, PLACE1010896, PLACE1010925, PLACE1010965, PLACE1011026, PLACE1011046,
 PLACE1011214, PLACE1011399, PLACE1011433, PLACE1011492, PLACE1011641, PLACE1011649,
 PLACE1011719, PLACE1011762, PLACE1011858, PLACE1011923, PLACE2000014, PLACE2000039,
 PLACE2000216, PLACE2000302, PLACE2000317, PLACE2000342, PLACE2000347, PLACE2000379,
 15 PLACE3000121, PLACE3000124, PLACE3000160, PLACE3000242, PLACE3000271, PLACE3000353,
 PLACE3000362, PLACE3000365, PLACE3000400, PLACE3000401, PLACE4000034, PLACE4000089,
 PLACE4000522, PLACE4000558,
 SKNMC1000050, THYRO1000040, THYRO1000197, THYRO1000241, THYRO1000327, THYRO1000394,
 THYRO1000488, THYRO1000501, THYRO1000585, THYRO1000596, THYRO1000625, THYRO1000805,
 20 THYRO1000934, THYRO1001133, THYRO1001134, THYRO1001173, THYRO1001213, THYRO1001262,
 THYRO1001290, THYRO1001721, Y79AA1000037, Y79AA1000800, Y79AA1000976, Y79AA1001078,
 Y79AA1001228, Y79AA1001299, Y79AA1001402, Y79AA1001585, Y79AA1001696, Y79AA1001711,
 Y79AA1001827, Y79AA1001875, Y79AA1002027, Y79AA1002211, Y79AA1002234, Y79AA1002258
[0099] On the other hand, clones of which expression levels decrease by RA/inhibitor are as follows:
 25 HEMBA1000012, HEMBA1000501, HEMBA1000946, HEMBA1003220, HEMBA1003403, HEMBA1003569,
 HEMBA1003591, HEMBA1003926, HEMBA1004168, HEMBA1004507, HEMBA1005009, HEMBA1005296,
 HEMBA1005528, HEMBA1005570, HEMBA1006467, HEMBA1006486, HEMBA1006492, HEMBA1007322,
 HEMBB1000055, HEMBB1000244, HEMBB1001665, MAMMA1000684, MAMMA1001139, MAMMA1001743,
 NT2RM1000257, NT2RM1000318, NT2RM1000539, NT2RM1000666, NT2RM2000092, NT2RM2000192,
 30 NT2RM2000371, NT2RM2000594, NT2RM4000511, NT2RM4001140, NT2RM4001754, NT2RM4001905,
 NT2RM4001940, NT2RM4002593, NT2RP1000086, NT2RP1000439, NT2RP1001073, NT2RP2000098,
 NT2RP2000965, NT2RP2001397, NT2RP2002047, NT2RP2004226, NT2RP2004396, NT2RP2004655,
 NT2RP2005126, NT2RP2005464, NT2RP2005712, NT2RP2005859, NT2RP2005890, NT2RP3000980,
 NT2RP3001383, NT2RP3001621, NT2RP3002081, NT2RP3002181, NT2RP3002244, NT2RP3002590,
 35 NT2RP3003059, NT2RP3004258, NT2RP3004378, NT2RP3004527, NT2RP3004594, NT2RP4001760,
 NT2RP4001950, NT2RP4002047, NT2RP4002408, NT2RP5003459, OVARC1000004, OVARC1000035,
 OVARC1000431, OVARC1001051, OVARC1001129, OVARC1001176, OVARC1001261, OVARC1001342,
 OVARC1001942, OVARC1001943, PLACE1002171, PLACE1002465, PLACE1003190, PLACE1003375,
 PLACE1004128, PLACE1005026, PLACE1005876, PLACE1005923, PLACE1007257, PLACE1007375,
 40 PLACE1007507, PLACE1008941, PLACE1010624, PLACE1011090, PLACE1011219, THYRO1000270,
 Y79AA1000346, Y79AA1001541

[0100] These clones are also associated with neural differentiation and, therefore, are candidates for genes associated with neurological diseases.

45 **[0101]** For example, if the protein encoded by the cDNA of the present invention is a regulatory factor of cellular conditions such as growth and differentiation, it can be used for developing medicines as follows. The protein or antibody provided by the invention is injected into a certain kind of cells by microinjection. Then, using the cells, it is possible to screen low molecular weight compounds by measuring the change in the cellular conditions, or the activation or inhibition of a particular gene. The screening can be performed as follows. First, the protein is expressed and purified as recombinant. The purified protein is microinjected into cells such as various cell lines, or primary culture cells, and
 50 the cellular change such as growth and differentiation can be examined. Alternatively, the induction of genes whose expression is known to be associated with a particular change of cellular conditions may be detected by the amount of mRNA or protein. Or, the amount of intracellular molecules (low molecular weight compounds, etc.) that is changed by the function of the gene product (protein) which is known to be associated with a particular change of cellular conditions may be detected. The compounds to be screened (both low and high molecular compounds are acceptable)
 55 can be added to the culture media and assessed for their activity by measuring the change of the cellular conditions. Instead of microinjection, cell lines introduced with the gene obtained in the invention can be used for the screening. If the gene product is turn out to be associated with a particular change in the cellular conditions, the change of the product can be used as a measurement for screening. Once a compound is screened out which can activate or inhibit

the function of the protein of the invention, it can be applied for developing medicines.

[0102] If the protein encoded by the cDNA of the present invention is a secretory protein, membrane protein, or protein associated with signal transduction, glycoprotein, transcription, or diseases, it can be used in functional assays for developing medicines.

[0103] In case of a membrane protein, it is most likely to be a protein that functions as a receptor or ligand on the cell surface. Therefore, it is possible to reveal a new relationship between a ligand and receptor by screening the membrane protein of the invention based on the binding activity with the known ligand or receptor. Screening can be performed according to the known methods.

[0104] For example, a ligand against the protein of the invention can be screened in the following manner. Namely, a ligand that binds to a specific protein can be screened by a method comprising the steps of: (a) contacting a test sample with the protein of the invention or a partial peptide thereof, or cells expressing these, and (b) selecting a test sample that binds to said protein, said partial peptide, or said cells.

[0105] On the other hand, for example, screening using cells expressing the protein of the present invention that is a receptor protein can also be performed as follows. It is possible to screen receptors that is capable of binding to a specific protein by using procedures (a) attaching the sample cells to the protein of the invention or its partial peptide, and (b) selecting cells that can bind to the said protein or its partial peptide.

[0106] In a following screening as an example, first the protein of the invention is expressed, and the recombinant protein is purified. Next, the purified protein is labeled, binding assay is performed using a various cell lines or primary cultured cells, and cells that are expressing a receptor are selected (Growth and differentiation factors and their receptors, Shin-Seikagaku Jikken Kouza Vol.7 (1991) Honjyo, Arai, Taniguchi, and Muramatsu edit, p203-236, Tokyo-Kagaku-Doujin). A protein of the invention can be labeled with RI such as ^{125}I , and enzyme (alkaline phosphatase etc.). Alternatively, a protein of the invention may be used without labeling and then detected by using a labeled antibody against the protein. The cells that are selected by the above screening methods, which express a receptor of the protein of the invention, can be used for the further screening of an agonists or antagonists of the said receptor.

[0107] Once the ligand binding to the protein of the invention, the receptor of the protein of the invention or the cells expressing the receptor are obtained by screening, it is possible to screen a compound that binds to the ligand and receptor. Also it is possible to screen a compound that can inhibit both bindings (agonists or antagonists of the receptor, for example) by utilizing the binding activities.

[0108] When the protein of the invention is a receptor, the screening method comprises the steps of (a) contacting the protein of the invention or cells expressing the protein of the invention with the ligand, in the presence of a test sample, (b) detecting the binding activity between said protein or cells expressing said protein and the ligand, and (c) selecting a compound that reduces said binding activity when compared to the activity in the absence of the test sample. Furthermore, when the protein of the invention is a ligand, the screening method comprises the steps of (a) contacting the protein of the invention with its receptor or cells expressing the receptor in the presence of samples, (b) detecting the binding activity between the protein and its receptor or the cells expressing the receptor, and (c) selecting a compound that can potentially reduce the binding activity compared to the activity in the absence of the sample.

[0109] Samples to screen include cell extracts, expressed products from a gene library, synthesized low molecular compound, synthesized peptide, and natural compounds, for example, but are not construed to be listed here. A compound that is isolated by the above screening using a binding activity of the protein of the invention can also be used as a sample.

[0110] A compound isolated by the screening may be a candidate to be an agonist or an antagonist of the receptor of the protein. By utilizing an assay that monitors a change in the intracellular signaling such as phosphorylation which results from reduction of the binding between the protein and its receptor, it is possible to identify whether the obtained compound is an agonist or antagonist of the receptor. Also, the compound may be a candidate of a molecule that can inhibit the interaction between the protein and its associated proteins (including a receptor) in vivo. Such compounds can be used for developing drugs for precaution or cures of a disease with which the protein is associated.

[0111] Secretory proteins may regulate cellular conditions such as growth and differentiation. It is possible to find out a novel factor that regulates cellular conditions by adding the secretory protein of the invention to a certain kind of cell, and performing a screening by utilizing the cellular changes in growth or differentiation, or activation of a particular gene.

[0112] The screening can be performed, for example, as follows. First, the protein of the invention is expressed and purified in a recombinant form. Then, the purified protein is added to a various kind of cell lines or primary cultured cells, and the change in the cell growth and differentiation is monitored. The induction of a particular gene that is known to be involved in a certain cellular change is detected by the amounts of mRNA and protein. Alternatively, the amount of an intracellular molecule (low-molecular-weight compounds, etc.) that is changed by the function of a gene product (protein) that is known to function in a certain cellular change is used for the detection.

[0113] Once the screening reveals that the protein of the invention can regulate cellular conditions or the functions, it is possible to apply the protein as a pharmaceutical and diagnostic medicine for associated diseases by itself or by

altering a part of it into an appropriate composition.

[0114] As is above described for membrane proteins, the secretory protein provided by the invention may be used to explore a novel ligand-receptor interaction using a screening based on the binding activity to a known ligand or receptor. A similar method can be used to identify an agonist or antagonist. The resulting compounds obtained by the methods can be a candidate of a compound that can inhibit the interaction between the protein of the invention and an interacting molecule (including a receptor). The compounds may be able to use as a preventive, therapeutic, and diagnostic medicine for the diseases, in which the protein may play a certain role.

[0115] Proteins associated with signal transduction or transcription may be a factor that affects a certain protein or gene in response to intracellular/extracellular stimuli. It is possible to find out a novel factor that can affect a protein or gene by expressing the protein provided by the invention in a certain types of cells, and performing a screening utilizing the activation of a certain intracellular protein or gene.

[0116] The screening may be performed as follows. First, a transformed cell line expressing the protein is obtained. Then, the transformed cell line and the untransformed original cell line are compared for the changes in the expression of a certain gene by detecting the amount of its mRNA or protein. Alternatively, the amount of an intracellular molecule (low molecular weight compounds) that is changed by the function of a certain gene product (protein) may be used for the detection. Furthermore, the change of the expression of a certain gene can be detected by introducing a fusion gene that comprises a regulatory region of the gene and a marker gene (luciferase, beta-galactosidase, etc.) into a cell, expressing the protein provided by the invention into the cell, and estimating the activity of a marker gene product (protein).

[0117] If the protein or gene of the invention is associated with diseases, it is possible to screen a gene or compound that can regulate its expression and/or activity either directly or indirectly by utilizing the protein of the present invention.

[0118] For example, the protein of the invention is expressed and purified as a recombinant protein. Then, the protein or gene that interacts with the protein of the invention is purified, and screened based on the binding. Alternatively, the screening can be performed by adding with a compound of a candidate of the inhibitor added in advance and monitoring the change of binding activity. In another method, a transcription regulatory region locating in the 5'-upstream of the gene encoding the protein of the invention that is capable of regulating the expression of other genes is obtained, and fused with a marker gene. The fusion is introduced into a cell, and the cell is added with compounds to explore a regulatory factor of the expression of the said gene.

[0119] The compound obtained by the screening can be used for developing pharmaceutical and diagnostic medicines for the diseases with which the protein of the present invention is associated. Similarly, if the regulatory factor obtained in the screening is turn out to be a protein, compounds that can newly affect the expression or activity of the protein may be used as a medicine for the diseases with which the protein of the invention is associated.

[0120] If the protein of the invention has an enzymatic activity, regardless as to whether it is a secretory protein, membrane protein, or proteins associated with signal transduction, glycoprotein, transcription, or diseases, a screening may be performed by adding a compound to the protein of the invention and monitoring the change of the compound. The enzymatic activity may also be utilized to screen a compound that can inhibit the activity of the protein.

[0121] In a screening given as an example, the protein of the invention is expressed and the recombinant protein is purified. Then, compounds are contacted with the purified protein, and the amount of the compound and the reaction products is examined. Alternatively, compounds that are candidates of an inhibitor are pretreated, then a compound (substrate) that can react with the purified protein is added, and the amount of the substrate and the reaction products is examined.

[0122] The compounds obtained in the screening may be used as a medicine for diseases with which the protein of the invention is associated. Also they can be applied for tests that examine whether the protein of the invention functions normally *in vivo*.

[0123] Whether the secretory protein, membrane protein, signal transduction-associated protein, glycoprotein-associated protein, or transcription-associated protein of the present invention is a novel protein associated with diseases or not is determined in another method than described above, by obtaining a specific antibody against the protein of the invention, and examining the relationship between the expression or activity of the protein and a certain disease. In an alternative way, it may be analyzed referred to the methods in "Molecular Diagnosis of Genetic Diseases" (Elles R. edit, (1996) in the series of "Method in Molecular Biology" (Humana Press).

[0124] Proteins associated with diseases are targets of screening as mentioned, and thus are very useful in developing drugs which regulate their expression and activity. Also, the proteins are useful in the medicinal industry as a diagnostic marker of the associated disease or a target of gene therapy.

[0125] Compounds isolated as mentioned above can be administered patients as it is, or after formulated into a pharmaceutical composition according to the known methods. For example, a pharmaceutically acceptable carrier or vehicle, specifically sterilized water, saline, plant oil, emulsifier, or suspending agent can be mixed with the compounds appropriately. The pharmaceutical compositions can be administered to patients by a method known to those skilled in the art, such as intraarterial, intravenous, or subcutaneous injections. The dosage may vary depending on the weight

or age of a patient, or the method of administration, but those skilled in the art can choose an appropriate dosage properly. If the compound is encoded by DNA, the DNA can be cloned into a vector for gene therapy, and used for gene therapy. The dosage of the DNA and the method of its administration may vary depending on the weight or age of a patient, or the symptoms, but those skilled in the art can choose properly.

5 **[0126]** The present invention further relates to databases comprising at least a sequence of polynucleotide and/or protein, or a medium recorded in such databases, selected from the sequence data of the nucleotide and/or the amino acids indicated in Table 350 and Table 351.

The term "database" means a set of accumulated information as machine-searchable and readable information of nucleotide sequence. The databases of the present invention comprise at least one of the novel nucleotide sequences of polynucleotides provided by the present invention. The databases of the present invention can consist of only the sequence data of the novel polynucleotides provided by the present invention or can comprise other information on nucleotide sequences of known full-length cDNAs or ESTs. The databases of the present invention can be comprised of not only the information on the nucleotide sequences but also the information on the gene functions revealed by the present invention. Additional information such as names of DNA clones carrying the full-length cDNAs can be recorded or linked together with the sequence data in the databases.

[0127] The database of the present invention is useful for gaining complete gene sequence information from partial sequence information of a gene of interest. The database of the present invention comprises nucleotide sequence information of full-length cDNAs. Consequently, by comparing the information in this database with the nucleotide sequence of a partial gene fragment yielded by differential display method or subtraction method, the information on the full-length nucleotide sequence of interest can be gained from the sequence of the partial fragment as a starting clue.

[0128] The sequence information of the full-length cDNAs constituting the database of the present invention contains not only the information on the complete sequences but also extra information on expression frequency of the genes as well as homology of the genes to known genes and known proteins. Thus the extra information facilitates rapid functional analyses of partial gene fragments. Further, the information on human genes is accumulated in the database of the present invention, and therefore, the database is useful for isolating a human homologue of a gene originating from other species. The human homologue can be isolated based on the nucleotide sequence of the gene from the original species.

[0129] At present, information on a wide variety of gene fragments can be obtained by differential display method and subtraction method. In general, these gene fragments are utilized as tools for isolating the full-length sequences thereof. When the gene fragment corresponds to an already-known gene, the full-length sequence is easily obtained by comparing the partial sequence with the information in known databases. However, when there exists no information corresponding to the partial sequence of interest in the known databases, cDNA cloning should be carried out for the full-length cDNA. It is often difficult to obtain the full-length nucleotide sequence using the partial sequence information as an initial clue. If the full-length of the gene is not available, the amino acid sequence of the protein encoded by the gene remains unidentified. Thus the database of the present invention can contribute to the identification of full-length cDNAs corresponding to gene fragments, which cannot be revealed by using databases of known genes.

[0130] The present invention has provided 5602 novel full-length cDNA clones, and primers for synthesizing the cDNA. As has not yet proceeded the isolation of full-length cDNA within the human, the invention has great significance. The full-length cDNA clones contain the translation initiation site, and thus provide a useful information for analysis of protein functions.

[0131] The cDNA clones are assumed to encode proteins such as secretory proteins, membrane proteins, signal transduction-associated protein, glycoprotein-associated protein, or transcription-associated protein, etc., which have important functions in vivo, and also predicted to be associated with many diseases. The genes and proteins associated with diseases are useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or as a target of gene therapy.

[0132] The invention is illustrated more specifically with reference to the following examples, but is not to be construed as being limited thereto.

EXAMPLE 1

Construction of a cDNA library by the oligo-capping method.

[0133] The NT-2 neuron progenitor cells (Stratagene), a teratocarcinoma cell line from human embryo testis, which can differentiate into neurons by the treatment with retinoic acid were used.

The NT-2 cells were cultured according to the manufacturer's instructions as follows.

(1) NT-2 cells were cultured without induction by retinoic acid treatment (NT2RM1, NT2RM2, NT2RM4).

(2) After cultured, NT-2 cells were induced by adding retinoic acid, and then were cultured for 48 hours (NT2RP1).

(3) After cultured, NT-2 cells were induced by adding retinoic acid, and then were cultured for 2 weeks (NT2RP2, NT2RP3, NT2RP4, NT2RP5).

[0134] Also, the human neuroblastoma cell line SK-N-MC (ATCC HTB-10) (SKNMC1), and human retinoblastoma cell line Y79 (ATCC HTB-18) (Y79AA1) were cultured according to the culture conditions described in the ATCC catalogue (<http://www.atcc.org/>). The cells were harvested separately, and mRNA was extracted from each cell by the method described in the literature (Molecular Cloning 2nd edition. (1989) Sambrook J., Fritsch, E.F., and Maniatis T., Cold Spring Harbor Laboratory Press). Furthermore, poly(A)⁺RNA was purified from the mRNA using oligo-dT cellulose.

[0135] Similarly, human placenta (PLACE1, PLACE2, PLACE3, PLACE4), human ovary cancer tissue (OVARC1), tissues from human embryo at 10 weeks, which is enriched with head (HEMBA1), or body (HEMBB1), human mammary gland (MAMMA1), human thyroid gland (THYRO1), and primary cultured cells of human blood vessel endothelium (VESEN1) were used to extract mRNA by the method described in the literature (Molecular Cloning 2nd edition. (1989) Sambrook J., Fritsch, E.F., and Maniatis T., Cold Spring Harbor Laboratory Press). Furthermore, poly(A)⁺RNA was purified from the mRNA using oligo-dT cellulose.

[0136] Each poly(A)⁺RNA was used to construct a cDNA library by the oligo-capping method (Maruyama M. and Sugano S. (1994) Gene, 138: 171-174). Using the Oligo-cap linker (SEQ ID NO: 10464) and the Oligo-dT primer (SEQ ID NO: 10465), bacterial alkaline phosphatase (BAP) treatment, tobacco acid phosphatase (TAP) treatment, RNA ligation, the first strand cDNA synthesis, and removal of RNA were performed as described in the reference (Suzuki and Kanno (1996) Protein Nucleic acid and Enzyme, 41: 197-201; Suzuki Y. et al. (1997) Gene, 200: 149-156). Next, 5'- and 3'-PCR primers (SEQ ID NO: 10466, and 10467, respectively) were used for performing PCR to convert the cDNA into double stranded cDNA, which was then digested with SfiI. Then, the DraIII-cleaved pUC19FL3 vector (Figure 1; for NT2RM1, and NT2RP1), or the DraIII-cleaved pME18SFL3 (Figure 1) (GenBank AB009864, expression vector; for NT2RM2, NT2RM4, NT2RP2, NT2RP3, NT2RP4, NT2RP5, SKNMC1, Y79AA1, PLACE1, PLACE2, PLACE3, PLACE4, OVARC1, HEMBA1, HEMBB1, MAMMA1, THYRO1, and VESEN1) was used for cloning the cDNA in a unidirectional manner, and cDNA libraries were obtained. The nucleotide sequence of the 5'- and 3'- ends of the cDNA clones was analyzed with a DNA sequencer (ABI PRISM 377, PE Biosystems) after sequencing reactions were performed with the DNA sequencing reagents (Dye Terminator Cycle Sequencing FS Ready Reaction Kit, dRhodamine Terminator Cycle Sequencing FS Ready Reaction Kit, or BigDye Terminator Cycle Sequencing FS Ready Reaction Kit, PE Biosystems), according to the instructions. The data were compiled into a database.

[0137] The full-length-enriched cDNA libraries except those for NT2RM1 and NT2RP1 were constructed using eukaryotic expression vector pME18SFL3. The vector contains SR α promoter and SV40 small t intron in the upstream of the cloning site, and SV40 polyA added signal sequence site in the downstream. As the cloning site of pME18SFL3 has asymmetrical DraIII sites, and the ends of cDNA fragments contain SfiI sites complementary to the DraIII sites, the cloned cDNA fragments can be inserted into the downstream of the SR α promoter unidirectionally. Therefore, clones containing full-length cDNA can be expressed transiently by introducing the obtained plasmid directly into COS cells. Thus, the clones can be analyzed very easily in terms of the proteins that are the gene products of the clones, or in terms of the biological activities of the proteins.

[0138] Herein, the cDNA libraries and the name of each clone are related as shown in Table 3. Therein, "xxxxxx" represents the clone number of six digits. Thus, the sequences are named by the library name, the clone number plus F- for the 5'-end, or R- for the 3'-end.

Table 3

library:	clone	5'-end sequence	3'-end sequence
NT2RM1:			
	NT2RM1xxxxxx	F-NT2RM1xxxxxx	
NT2RP1:			
	NT2RP1xxxxxx	F-NT2RP1xxxxxx	
NT2RM2:			
	NT2RM2xxxxxx	F-NT2RM2xxxxxx	R-NT2RM2xxxxxx
NT2RM4:			
	NT2RM4xxxxxx	F-NT2RM4xxxxxx	R-NT2RM4xxxxxx

NT2RP2:

NT2RP2xxxxxx	F-NT2RP2xxxxxx	R-NT2RP2xxxxxx
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NT2RP3:

NT2RP3xxxxxx	F-NT2RP3xxxxxx	R-NT2RP3xxxxxx
--------------	----------------	----------------

NT2RP4:

NT2RP4xxxxxx	F-NT2RP4xxxxxx	R-NT2RP4xxxxxx
--------------	----------------	----------------

NT2RP5:

NT2RP5xxxxxx	F-NT2RP5xxxxxx	R-NT2RP5xxxxxx
--------------	----------------	----------------

SKNMC1:

SKNMC1xxxxxx	F-SKNMC1xxxxxx	R-SKNMC1xxxxxx
--------------	----------------	----------------

Y79AA1:

Y79AA1xxxxxx	F-Y79AA1xxxxxx	R-Y79AA1xxxxxx
--------------	----------------	----------------

PLACE1:

PLACE1xxxxxx	F-PLACE1xxxxxx	R-PLACE1xxxxxx
--------------	----------------	----------------

PLACE2:

PLACE2xxxxxx	F-PLACE2xxxxxx	R-PLACE2xxxxxx
--------------	----------------	----------------

PLACE3:

PLACE3xxxxxx	F-PLACE3xxxxxx	R-PLACE3xxxxxx
--------------	----------------	----------------

PLACE4:

PLACE4xxxxxx	F-PLACE4xxxxxx	R-PLACE4xxxxxx
--------------	----------------	----------------

OVARC1:

OVARC1xxxxxx	F-OVARC1xxxxxx	R-OVARC1xxxxxx
--------------	----------------	----------------

HEMBA1:

HEMBA1xxxxxx	F-HEMBA1xxxxxx	R-HEMBA1xxxxxx
--------------	----------------	----------------

HEMBB1:

HEMBB1xxxxxx	F-HEMBB1xxxxxx	R-HEMBB1xxxxxx
--------------	----------------	----------------

MAMMA1:

MAMMA1xxxxxx	F-MAMMA1xxxxxx	R-MAMMA1xxxxxx
--------------	----------------	----------------

THYRO1:

THYRO1xxxxxx	F-THYRO1xxxxxx	R-THYRO1xxxxxx
--------------	----------------	----------------

VESEN1:

VESEN1xxxxxx	F-VESEN1xxxxxx	R-VESEN1xxxxxx
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EXAMPLE 2

Estimation of the fullness ratio at the 5'-ends of the clones contained in the cDNA libraries constructed by the oligo-capping method.

[0139] The fullness ratio at the 5'-end sequence of the 59,823 clones in the human cDNA libraries constructed by the oligo-capping method was determined as follows. Of all the clones whose 5'-end sequences were found in those of known human mRNA in the public database, a clone was judged to be "full-length", if it had a longer 5'-end sequence than that of the known human mRNA, or, even though the 5'-end sequence was shorter, if it contained the translation initiation codon. A clone which did not contain the translation initiation codon was judged to be "not-full-length". The fullness ratio ((the number of full-length clones)/(the number of full-length and not-full-length clones)) at the 5'-end of the cDNA clones from each library was determined by comparing with the known human mRNA. As a result, the fullness

ratio of the 5'-ends was 63.5%. The result indicates that the fullness ratio at the 5'-end sequence was extremely high.

EXAMPLE 3

5 Assessment of the fullness ratio of the 5'-end of the cDNA by the ATGpr and the ESTiMateFL.

[0140] The ATGpr, developed by Salamov A.A., Nishikawa T., and Swindells M.B. in the Helix Research Institute, is a program for prediction of the translation initiation codon based on the characteristics of the sequences in the vicinity of the ATG codon. The results are shown with expectations (also described as ATGpr1 below) that an ATG is a true
10 initiation codon (0.05-0.94) (can be described as ATGpr1). When the program was applied to the 5'-end sequences of the clones from the cDNA library that was obtained by the oligo-capping method and that had 65% fullness ratio, the sensitivity and specificity of estimation of a full-length clone (clone containing the N-terminal end of ORF) were improved to 82-83% by selecting only clones having the ATGpr1 score 0.6 or higher.

[0141] Furthermore, the program was used to assess the fullness of 18,959 clones in the human libraries obtained here, which have 5'-ends matched to a known human mRNA.

[0142] Briefly, the maximal ATGpr1 score of the clones was determined, and then their 5'-end sequence was compared with the known human mRNA to estimate whether the clone is full-length or not. The result is shown in Table 4.

[0143] Based on the knowledge that known mRNAs, in general, are highly expressed in the cell, similar estimation was performed with genes having a low number in the EST hit, which represent relatively low abundant mRNAs, and
20 the result is shown in Table 5.

[0144] In the table, the number of full-length clones indicate that of clones containing the N-terminal end of ORF, and so does the number of not-full-length clones that of clones without the N-terminal end of ORF. The fullness ratio represents (the number of full-length clones)/(the number of full-length clones plus the number of not-full-length clones).

Table 4

The maximal ATGpr1 score and the fullness ratio of the 5'-end sequences of clones obtained from human cDNA libraries constructed by the oligo-capping method; clones having a matched 5'-end with that of a known mRNA.			
maximal ATGpr1 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
>=0.70	11,193	9,346	83.5%
>=0.50	13,369	10,549	78.9%
>=0.30	15,489	11,340	73.2%
>=0.15	17,394	11,811	67.9%
>=0.00	18,959	12,046	63.5%

Table 5

The maximal ATGpr1 score and the fullness ratio of the 5'-end sequences of the clones obtained from human cDNA libraries constructed by the oligo-capping method; clones having 5 EST hits or less among the clones having a matched 5'-end with that of a known mRNA.			
maximal ATGpr1 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
>=0.70	2,801	1,934	69.0%
>=0.50	3,683	2,393	65.0%
>=0.30	4,683	2,707	57.8%
>=0.15	5,559	2,890	52.0%
>=0.00	6,113	3,013	49.8%

[0145] Next, the ESTiMateFL was used for the estimation. The ESTiMateFL, developed by Nishikawa and Ota in the Helix Research Institute, is a method for the selection of a clone with high fullness ratio by comparing with the 5'-end or 3'-end sequences of ESTs in the public database.

[0146] By the method, a cDNA clone is judged to be most likely not to be full-length if there exist any ESTs which

have longer 5'-end or 3'-end sequences than the clone. The method is systematized for high throughput analysis. A clone is judged to be full-length if the clone has a longer 5'-end sequence than ESTs in the public database. Even if a clone has a shorter 5'-end, the clone is judged to be full-length if the difference in length is within 50 bases, and otherwise judged not to be full-length, for convenience.

[0147] In case of the clones whose 5'-end sequence is matching with the known mRNA, 80% of the clones judged to be full-length by comparing with ESTs was also judged to be full-length by comparing with the known mRNA. Also, 80% of the clones judged to be not full-length by comparing with ESTs was also judged to be not full-length by comparing with the known mRNA.

[0148] The precision of the estimation by comparing with ESTs is improved with increasing number of ESTs to be compared. However, in case that a limited number of ESTs are available, the reliability becomes low. Thus, the method is effective in excluding clones with high probability of being not-full-length, from the cDNA clones that is synthesized by the oligo-capping method and that have the 5'-end sequences with about 60 % fullness ratio. In particular, the ESTiMateFL is efficiently used to estimate the fullness ratio at the 3'-end sequence of cDNA of a human unknown mRNA which has a significant number of EST deposits in the public database.

[0149] The 18,959 clones isolated from human cDNA libraries constructed by the oligo-capping method, which have the 5'-end sequence matched with a known human mRNA, were estimated by using the ATGpr and ESTiMateFL. Briefly, the 5'-end sequence of the respective clone was analyzed to obtain the maximal ATGpr1 score, and compared with the ORF of the known human mRNA that matches with it to determine whether the clone is full-length or not. Then, the 5'-end sequence of the respective clone was analyzed by the ESTiMateFL to judge whether the clone is full-length or not. Specifically, the 5'-end sequences of the 18,959 clones were compared with those of ESTs by the ESTiMateFL and the clones other than those that are not full-length were selected. Then, the selected clones were used to analyze the relationship between the ATGpr and the fullness ratio. The result was summarized in Table 6. Also, among the selected, the clones in which the number of the EST hit is not more than 5 were selected and analyzed. The result was summarized in Table 7, which represents the result of the analysis of mRNA with relatively low abundance.

[0150] Therein, the number of being full-length, the number of being not full-length, and the fullness ratio indicate the number of the clones that contain the N-terminus of the ORF, the number of the clones that do not contain the N-terminus of the ORF, and (the number of being full-length)/(the number of being full-length plus (the number of being not full-length)), respectively.

Table 6

The maximal ATGpr1 score and the fullness ratio of the 5'-end sequence in the clones isolated from human cDNA libraries constructed by the oligo-capping method, which have the 5'-end sequence matched with a known human mRNA, and also other than those being not full-length according to the comparison with ESTs.			
maximal ATGpr1 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
≥ 0.70	9,068	8,349	92.1%
≥ 0.50	10,345	9,318	90.1%
≥ 0.30	11,425	9,964	87.2%
≥ 0.15	12,254	10,335	84.3%
≥ 0.00	12,785	10,484	82.0%

Table 7

Maximal ATGpr1 score and fullness ratio of the 5'-end sequence of the clones, which were isolated from the human cDNA libraries constructed by the oligo-capping method, whose 5'-end sequence is identical to a known human mRNA, in which the number of the EST hit is not more than 5.			
maximal ATGpr1 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
≥ 0.70	1,959	1,510	77.1%
≥ 0.50	2,469	1,821	73.8%
≥ 0.30	2,975	2,046	68.8%
≥ 0.15	3,368	2,164	64.3%

Table 7 (continued)

Maximal ATGpr1 score and fullness ratio of the 5'-end sequence of the clones, which were isolated from the human cDNA libraries constructed by the oligo-capping method, whose 5'-end sequence is identical to a known human mRNA, in which the number of the EST hit is not more than 5.

maximal ATGpr1 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
≥ 0.00	3,661	2,226	60.8%

[0151] The 19,226 clones, isolated from the human cDNA libraries constructed by the oligo-capping method, whose 5'-end sequence is identical to that of a known human mRNA were estimated by the ATGpr2, and the correlation between the score and the fullness ratio was estimated. Specifically, the maximal ATGpr2 score of the clones identical to a known human mRNA was determined, and then their fullness ratio was estimated by comparing the 5'-ends with ORF of known human mRNA. The result was shown in Table 8.

Table 8

Maximal ATGpr2 score and fullness ratio of the 5'-end sequence of the clones, which are isolated from the human cDNA libraries constructed by the oligo-capping method, whose 5'-end sequence is identical to a known human mRNA.

maximal ATGpr2 score	number of (full-length clones plus not-full-length clones)	number of full-length clones	fullness ratio
≥ 0.30	10,748	8,031	74.7%
≥ 0.15	16,383	11,226	68.5%
≥ 0.00	19,226	12,285	63.9%

[0152] According to the above results, it was found that, in case of using clones isolated from human cDNA libraries constructed by the oligo-capping method, the fullness ratio of the clones that have low score in the ATGpr can be improved by estimating their 5'-end sequence using the combination of the ATGpr and the ESTiMateFL. Therefore, the method was applied to select a cDNA clone with high fullness ratio.

EXAMPLE 4

Clustering of the 5'-end and 3'-end sequences of cDNA clones.

[0153] The 5'-end and 3'-end sequences of cDNA clones were obtained, and clustered separately. The single pass data of the nucleotide sequence of the 5'-end and 3'-end was subject to the BLAST search between the sequence data of all the clones synthesized in example 1, and the clones considered to be originating from the same gene were put together into a group. If the 5'-end of a clone contains the consensus sequence of 300 bases or more with identity 95% or more, or the 3'-end contains the consensus sequence of 200 bases or more and having identity 90% or more, the clones were put in the same group.

[0154] The groups of the 5'-end sequence and the 3'-end sequence were further clustered so as that the groups from the same clone can be in the same group (cluster).

EXAMPLE 5

Characterization of the cloned sequence.

[0155] The data of the 5'-end sequence of the cloned sequence was characterized by the following way:

- (1) examining whether it is identical to those of mRNA from human and other species (including authorized sequences) and human EST by the BLAST homology search of the GenBank,
- (2) examining whether it has longer 5'-end than those of human mRNA and human EST,
- (3) determining the scores in the ATGpr1 and ATGpr2 programs of all the initiation codons in the 5'-end sequence, and

(4) determining the number of the human EST clone(s) that is judged to be identical by the BLAST homology search of the GenBank.

[0156] The data of the 3'-end sequence of the cloned sequence was characterized by the above (1) and (4).

[0157] These characterized data were used for the final selection of the clones.

EXAMPLE 6

Identity to the human mRNA and human EST, and comparison of the length of the 5'-end.

[0158] The 5'-end and 3'-end sequences of the cloned sequence was judged to be identical to those of mRNA from human or other species when the sequence to compare has the length of 200 bases or longer, and the obtained homology is 94% or more. The 5'-end and 3'-end sequences of the cloned sequence was judged to be identical to those of human EST when the sequence to compare has the length of 200 bases or longer, and the obtained homology is 90% or more.

[0159] The sequence of the clone was judged to be full-length in comparison with human mRNA when the sequence has longer 5'-end, or it contains the translation initiation site. The sequence of the clone was judged to be full-length in comparison with human EST in the database when the sequence has longer 5'-end, or while it has shorter end, the difference in length between the two sequences is 50 bases or less. The other clones were judged to be not full-length.

EXAMPLE 7

Prediction of the fullness ratio by the ATGpr.

[0160] The score in the ATGpr1 is the expectation to be full-length based on calculations, and the higher score reflects the higher probability to be full-length as shown in Example 3. The maximal ATGpr1 score and the maximal ATGpr2 score represent the score obtained with all the initiation codons contained in the 5'-end sequence of the cloned sequence, and were used for the characterization.

EXAMPLE 8

Prediction of the novelty using the number of the identical ESTs by the homology search.

[0161] For both the 5'-end and 3'-end sequences of the clones, the number of the identical ESTs was determined by the homology search on the GenBank. Human ESTs were judged to be identical when the EST has a sequence of 200 nucleotides or more with 90% or more matching with the 5'-end sequence. The number of the identical ESTs were used for characterization and as an index of novelty. The clone having not identical sequence at the 5'-end and 3'-end sequences to those of mRNA as well as those of ESTs is a gene encoding a novel protein. Similarly, a clone having either the 5'-end or the 3'-end sequences, which has low number of the identical ESTs, is judged to be a gene encoding a novel protein.

EXAMPLE 9

Characterization of clusters.

[0162] The clusters of the groups of the 5'-end and 3'-end sequences were characterized according to the following criteria.

(1) Whether it is identical to the mRNA sequences from human or other species (including authorized sequences), or human ESTs by the BLAST search of the GenBank.

A cluster containing at least one sequence of all the 5'-end and 3'-end sequences, which is identical to one of the mRNA sequences, was regarded to be the same cluster of the mRNA sequence.

(2) Whether it has longer 5'-end than human mRNA sequence and human ESTs.

When all the 5'-end sequences contained in a cluster are judged to be not full-length compared with the mRNA sequences and human ESTs, the cluster was regarded as being not full-length.

(3) The scores in the ATGpr1 and ATGpr2 using all the initiation codons contained in the 5'-end sequences.

The maximal ATGpr1 score among those of all the 5'-end sequences in a cluster was determined as the ATGpr1 score of the cluster. The ATGpr2 score of the cluster was also determined in the same way.

(4) The number of the identical human ESTs determined by the BLAST search of the GenBank.

[0163] The maximum number was determined in the numbers of ESTs identical to each of 5'-end sequences contained in a cluster. The number of the ESTs identical to the 5'-end sequences in the cluster was defined as the maximum number. The number of the ESTs identical to the 3'-end sequences in a cluster was determined in the same way.

EXAMPLE 10

Methods for selection of the clusters by the characteristics.

[0164] Data obtained by the characterization described above was used to discard the clusters that are identical to any mRNA sequence from human and other species (including authorized sequences), or those clusters that are not full-length. From the rest of the clusters, the clusters that fulfill any of the following conditions were selected.

(a) A cluster in which the number of the identical ESTs for the 5'-end sequence is 20 or less, and the ATGpr1 score exceeds 0.3.

(b) A cluster having the ATGpr1 score not more than 0.3, in which the number of the identical ESTs for both the 5'-end sequence and the 3'-end sequence is 5 or less, and multiple clones are contained.

(c) A cluster having the ATGpr1 score not more than 0.3, in which the number of the identical ESTs for the 5'-end sequence is 0, and the number of the identical ESTs for the 3'-end sequence is not less than 1.

(d) A cluster having the ATGpr1 score not more than 0.3, in which the number of the identical ESTs for the 5'-end sequence is not less than 1 and not more than 5, and the number of the identical ESTs for the 3'-end sequence is 0.

[0165] The clusters selected by (a) contain at least one clone that is novel and having high fullness ratio. The clusters selected by (b), (c), and (d) contain at least one clone that is novel and having low fullness ratio, but is still full-length.

EXAMPLE 11

Methods for selection of clones from clusters.

[0166] In the clusters comprising a single clone, the clone was selected.

[0167] In the clusters comprising multiple clones, in which multiple clones have the ATGpr1 score higher than 0.3, a clone with the highest score was selected.

[0168] In the clusters comprising multiple clones, in which multiple clones have the ATGpr1 score not more than 0.3, a clone with the highest ATGpr2 score was selected, if the score was higher than 0.3.

[0169] In the clusters comprising multiple clones, in which the clones have the scores not more than 0.3 in both the ATGpr1 and the ATGpr2, a clone with the highest scores in both the ATGpr1 and ATGpr2 was selected.

[0170] In the clusters comprising multiple clones, in which the above selection by the ATGpr score was not applicable, selected was a clone having longer 5'-end by assembling the 5'-end sequence, 3'-end sequence, and human ESTs. For assembling, the Sequencher™ (Hitachi Soft Engineering) was used. When even the selection by assembling failed, all the clones were judged to be full-length.

[0171] As a result, 3690 clones were the clones that have the maximal ATGpr1 score higher than 0.3. On the other hand, 477 clones were the clones that have the maximal ATGpr1 score not more than 0.3, and the maximal ATGpr2 score higher than 0.3. The number of the clones having the highest scores in both the ATGpr1 and ATGpr2, while the scores were not more than 0.3, were 97. The number of the clones which were not selected by the ATGpr scores, but were selected by assembling the 5'-end sequence, 3'-end sequence, and human ESTs, were 117. The clones that have the score in both the ATGpr1 and ATGpr2 not more than 0.3, but were selected because the cluster comprises a single clone, were 1166. In the clones, at least either of the 5'-end or 3'-end sequence was not identical to any of human ESTs. Some clones were selected because the cluster comprises a single clone, or by assembling, in which there is no ATG codon (9 clones: HEMBA1001960, HEMBA106569, HEMBB1001454, NT2PR2002839, NT2RP2005325, NT2RP2006323, PLACE1004506, PLACE1005526, and THYRO1001177). The sequences that do not contain the ATG codon were considered to be corresponding to the 5'-UTR. Although the clones do not have the scores in the ATGpr1 and ATGpr2, the clones were yet judged to be full-length according to the fullness ratio, as shown in Table 4, 5, 6, 7, and 8. The above clones that were finally judged to be full-length were classified into 11 groups according to the following criteria.

Group (1): 1516 clones

Among the 3690 clones having the maximal ATGpr1 score higher than 0.3, the following 1516 clones were having

high fullness ratio and a novel clone, in which at least either of the 5'-end or 3'-end sequence, or both of them were not identical to any of human ESTs.

	HEMBA1000046,	HEMBA1000050,	HEMBA1000129,	HEMBA1000150,	HEMBA1000158,	HEMBA1000193 ,
	HEMBA1000201,	HEMBA1000216,	HEMBA1000227,	HEMBA1000288,	HEMBA1000290,	HEMBA100030 3,
5	HEMBA1000304,	HEMBA1000369,	HEMBA1000392,	HEMBA1000396,	HEMBA1000488,	HEMBA10005 05,
	HEMBA1000508,	HEMBA1000534,	HEMBA1000542,	HEMBA1000594,	HEMBA1000637,	HEMBA1000 657,
	HEMBA1000752,	HEMBA1000867,	HEMBA1000869,	HEMBA1000872,	HEMBA1000910,	HEMBA100 0918,
	HEMBA1000919,	HEMBA1000942,	HEMBA1000968,	HEMBA1000975,	HEMBA1000986,	HEMBA10 01022,
	HEMBA1001043,	HEMBA1001052,	HEMBA1001080,	HEMBA1001085,	HEMBA1001109,	HEMBA1 001140,
10	HEMBA1001174,	HEMBA1001235,	HEMBA1001286,	HEMBA1001302,	HEMBA1001398,	HEMBA 1001407,
	HEMBA1001415,	HEMBA1001446,	HEMBA1001476,	HEMBA1001497,	HEMBA1001510,	HEMB A1001533,
	HEMBA1001570,	HEMBA1001581,	HEMBA1001635,	HEMBA1001640,	HEMBA1001647,	HEM BA1001661,
	HEMBA1001731,	HEMBA1001744,	HEMBA1001746,	HEMBA1001800,	HEMBA1001815,	HE MBA1001822,
	HEMBA1001866,	HEMBA1001896,	HEMBA1001910,	HEMBA1001987,		
15	HEMBA1002018,	HEMBA1002035,	HEMBA1002049,	HEMBA1002092,	HEMBA1002119,	HEMBA1002125 ,
	HEMBA1002161,	HEMBA1002177,	HEMBA1002189,	HEMBA1002191,	HEMBA1002199,	HEMBA100222 9,
	HEMBA1002237,	HEMBA1002265,	HEMBA1002363,	HEMBA1002417,	HEMBA1002419,	HEMBA10024 30,
	HEMBA1002439,	HEMBA1002477,	HEMBA1002503,	HEMBA1002508,	HEMBA1002515,	HEMBA1002 547,
	HEMBA1002688,	HEMBA1002703,	HEMBA1002746,	HEMBA1002750,	HEMBA1002850,	HEMBA100 2973,
20	HEMBA1003021,	HEMBA1003067,	HEMBA1003077,	HEMBA1003078,	HEMBA1003079,	HEMBA10 03117,
	HEMBA1003129,	HEMBA1003175,	HEMBA1003199,	HEMBA1003235,	HEMBA1003250,	HEMBA1 003257,
	HEMBA1003291,	HEMBA1003322,	HEMBA1003327,	HEMBA1003370,	HEMBA1003380,	HEMBA 1003395,
	HEMBA1003402,	HEMBA1003461,	HEMBA1003480,	HEMBA1003538,	HEMBA1003545,	HEMB A1003556,
	HEMBA1003581,	HEMBA1003621,	HEMBA1003645,	HEMBA1003667,	HEMBA1003720,	HEM BA1003760,
25	HEMBA1003799,	HEMBA1003807,	HEMBA1003827,	HEMBA1003836,	HEMBA1003866,	HE MBA1003879,
	HEMBA1003880,	HEMBA1003985,	HEMBA1003989,			
	HEMBA1004011,	HEMBA1004048,	HEMBA1004056,	HEMBA1004074,	HEMBA1004133,	HEMBA1004146 ,
	HEMBA1004150,	HEMBA1004199,	HEMBA1004200,	HEMBA1004238,	HEMBA1004246,	HEMBA100427 5,
	HEMBA1004286,	HEMBA1004289,	HEMBA1004321,	HEMBA1004327,	HEMBA1004335,	HEMBA10043 41,
30	HEMBA1004372,	HEMBA1004389,	HEMBA1004479,	HEMBA1004499,	HEMBA1004507,	HEMBA1004 542,
	HEMBA1004554,	HEMBA1004573,	HEMBA1004596,	HEMBA1004632,	HEMBA1004697,	HEMBA100 4705,
	HEMBA1004709,	HEMBA1004711,	HEMBA1004736,	HEMBA1004751,	HEMBA1004752,	HEMBA10 04753,
	HEMBA1004756,	HEMBA1004758,	HEMBA1004768,	HEMBA1004771,	HEMBA1004795,	HEMBA1 004806,
	HEMBA1004850,	HEMBA1004863,	HEMBA1004889,	HEMBA1004923,	HEMBA1004929,	HEMBA 1004930,
35	HEMBA1004944,	HEMBA1004972,	HEMBA1004980,	HEMBA1005019,	HEMBA1005035,	HEMB A1005050,
	HEMBA1005066,	HEMBA1005075,	HEMBA1005079,	HEMBA1005083,	HEMBA1005113,	HEM BA1005133,
	HEMBA1005149,	HEMBA1005219,	HEMBA1005331,	HEMBA1005338,	HEMBA1005367,	HE MBA1005411,
	HEMBA1005468,	HEMBA1005469,	HEMBA1005517,	HEMBA1005518,	HEMBA1005526,	H EMBA1005548,
	HEMBA1005576,	HEMBA1005583,	HEMBA1005595,	HEMBA1005609,	HEMBA1005685,	HEMBA1005732,
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	HEMBA1005991,					
	HEMBA1006031,	HEMBA1006100,	HEMBA1006121,	HEMBA1006138,	HEMBA1006173,	HEMBA1006182 ,
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	HEMBA1006344,	HEMBA1006349,	HEMBA1006377,	HEMBA1006381,	HEMBA1006398,	HEMBA10064 24,
45	HEMBA1006467,	HEMBA1006474,	HEMBA1006483,	HEMBA1006492,	HEMBA1006494,	HEMBA1006 497,
	HEMBA1006502,	HEMBA1006530,	HEMBA1006579,	HEMBA1006583,	HEMBA1006643,	HEMBA100 6674,
	HEMBA1006682,	HEMBA1006709,	HEMBA1006717,	HEMBA1006737,	HEMBA1006754,	HEMBA10 06758,
	HEMBA1006767,	HEMBA1006795,	HEMBA1006796,	HEMBA1006807,	HEMBA1006832,	HEMBA1 006900,
	HEMBA1006973,	HEMBA1006976,	HEMBA1006993,	HEMBA1006996,	HEMBA1007002,	HEMBA 1007052,
50	HEMBA1007062,	HEMBA1007066,	HEMBA1007151,	HEMBA1007203,	HEMBA1007281,	HEMB A1007300,
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	HEMBB1000706,	HEMBB1000725,	HEMBB1000781,	HEMBB1000810,	HEMBB1000826,	HEMBB100 0835,
	HEMBB1000848,	HEMBB1000852,	HEMBB1000870,	HEMBB1000887,	HEMBB1000908,	HEMBB10 00927,
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Group (2): 377 clones

Among the 3690 clones, the following 377 clones were full-length, and a novel clone, in which the number of the identical human ESTs for both the 5'-end and 3'-end sequences is 1 or higher and not more than 5.

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50 Group (3): 1797 clones

Among the 3690 clones, the following 1797 clones were full-length, and novel clones, in which the number of the identical human ESTs for the 5'-end sequence is not more than 20 (except clones in which at least either of the 5'-end or 3'-end sequence, or both of them are not identical to any of human ESTs, and clones in which the number of the identical human ESTs for both the 5'-end and 3'-end sequences is 1 or higher and not more than 5).

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Group (4): 453 clones

Among the 1857 clones having the maximal ATGpr1 score not more than 0.3 (including the 9 clones whose 5'-end
 20 sequence does not contain the ATG codon), the following 453 clones were judged to be full-length since their ATGpr2
 score was 0.3 or higher (Table 11). The clones were novel clones, in which at least either of the 5'-end or 3'-end
 sequence is not identical to any of human ESTs.

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 NT2RP2000183, NT2RP2000420, NT2RP2000678, NT2RP2000715, NT2RP2000842, NT2RP20009 70,
 10 NT2RP2001149, NT2RP2001226, NT2RP2001295, NT2RP2001347, NT2RP2001569, NT2RP2001 663,
 NT2RP2001936, NT2RP2002041, NT2RP2002172, NT2RP2002219, NT2RP2002316, NT2RP200 2546,
 NT2RP2002591, NT2RP2002643, NT2RP2002741, NT2RP2002750, NT2RP2002778, NT2RP20 02857,
 NT2RP2003000, NT2RP2003073, NT2RP2003237, NT2RP2003394, NT2RP2003517, NT2RP2 003668,
 NT2RP2003988, NT2RP2004232, NT2RP2004523, NT2RP2004736, NT2RP2004767, NT2RP 2004775,
 15 NT2RP2004961, NT2RP2004962, NT2RP2004982, NT2RP2005407, NT2RP2005726, NT2R P2006258,
 NT2RP2006261, NT2RP2006454, NT2RP3000055, NT2RP3000233, NT2RP3000341, NT2 RP3000418,
 NT2RP3000451, NT2RP3000561, NT2RP3000582, NT2RP3001281, NT2RP3001339, NT 2RP3001340,
 NT2RP3001383, NT2RP3001432, NT2RP3001580, NT2RP3001589, NT2RP3002004, N T2RP3002173,
 NT2RP3003133, NT2RP3003346, NT2RP3003403, NT2RP3003576, NT2RP3003625, NT2RP3003665,
 20 NT2RP3003800, NT2RP3003828, NT2RP3004070, NT2RP3004470, NT2RP4000023 , NT2RP4000035,
 NT2RP4000102, NT2RP4000167, NT2RP4000214, NT2RP4000218, NT2RP400042 4, NT2RP4000915,
 NT2RP4002075,
 OVARC1000085, OVARC1000092, OVARC1000145, OVARC1000414, OVARC1000496, OVARC1000526 ,
 OVARC1000948, OVARC1001011, OVARC1001600, OVARC1001805, OVARC1001813, OVARC100184 6,
 25 PLACE1000540, PLACE1000599, PLACE1001088, PLACE1001377, PLACE1001440, PLACE1001517 ,
 PLACE1001672, PLACE1001756, PLACE1002157, PLACE1002205, PLACE1002259, PLACE100239 9,
 PLACE1002477, PLACE1002583, PLACE1002968, PLACE1003238, PLACE1003566, PLACE10035 93,
 PLACE1003618, PLACE1004274, PLACE1004716, PLACE1004773, PLACE1004815, PLACE1004 979,
 PLACE1005052, PLACE1005086, PLACE1005128, PLACE1005176, PLACE1005467, PLACE100 5639,
 30 PLACE1005850, PLACE1006003, PLACE1006017, PLACE1006288, PLACE1006371, PLACE10 06629,
 PLACE1007478, PLACE1008330, PLACE1008584, PLACE1008851, PLACE1008941, PLACE1 009039,
 PLACE1009493, PLACE1009539, PLACE1009637, PLACE1009947, PLACE1010231, PLACE 1010562,
 PLACE1010579, PLACE1010739, PLACE1010802, PLACE1010896, PLACE1011032, PLAC E1011185,
 PLACE1011452, PLACE1011465, PLACE1011520, PLACE1011567, PLACE1011719, PLA CE2000011,
 35 PLACE2000017, PLACE2000061, PLACE2000187, PLACE2000216, PLACE2000335, PL ACE2000347,
 PLACE2000366, PLACE2000394, PLACE2000398, PLACE2000425, PLACE2000450, P LACE2000477,
 PLACE3000119, PLACE3000207, PLACE3000230, PLACE3000271, PLACE3000373, PLACE3000399,
 PLACE3000401, PLACE3000406, PLACE4000247, PLACE4000320, PLACE4000367 , PLACE4000401,
 THYRO1000111, THYRO1000187, THYRO1000484, THYRO1000596, THYRO1000625, THYRO1000815 ,
 40 THYRO1000865, THYRO1001003, THYRO1001031, THYRO1001133, THYRO1001401, THYRO100142 6,
 THYRO1001434, THYRO1001559, THYRO1001570, THYRO1001706, THYRO1001746, THYRO10017 72,
 THYRO1001907, Y79AA1000033, Y79AA1000346, Y79AA1000805, Y79AA1001692, Y79AA1002 220,

Group (5): 24 clones

45 The following 24 clones having low score in the ATGpr1 were judged to be full-length since their ATGpr2 score was 0.3 or higher (Table 11). The clones were novel clones, in which the number of the identical human ESTs for both the 5'-end and 3'-end sequences is 1 or higher and not more than 5.

50 HEMBA1000622, HEMBA1000749, HEMBA1000876, HEMBA1001226, HEMBA1001391, HEMBA1002742 ,
 HEMBA1003908, HEMBA1004000, HEMBB1000336, MAMMA1000356, MAMMA1000883, MAMMA100159 0,
 NT2RP2000289, NT2RP2001467, PLACE1002853, PLACE1003420, PLACE1004836, PLACE10049 13,
 PLACE1006795, PLACE1008181, PLACE1008715, PLACE4000344, THYRO1000129, THYRO1001 321,

Group (6): 65 clones

55 The following 65 clones having low scores in both the ATGpr1 and ATGpr2 (Table 11) were judged to be full-length, since both scores were still the maximum in a cluster compared with those of the other clones(at least 2 clones or more) in the same cluster. The clones were novel clones, in which at least either of the 5'-end or 3'-end sequence is not identical to any of human ESTs.

HEMBA1000604, HEMBA1000673, HEMBA1001024, HEMBA1001026, HEMBA1001734, HEMBA1001784 ,

HEMBA1001808, HEMBA1003902, HEMBA1004164, HEMBA1004909, HEMBA1005232, HEMBA100557 7,
 HEMBA1006461, HEMBA1006695, HEMBB1001119, HEMBB1001337, HEMBB1001536, HEMBB10018 68,
 HEMBB1002045, HEMBB1002579, MAMMA1000444, MAMMA1000761, MAMMA1000943, MAMMA1001 820,
 MAMMA1002360,
 5 NT2RM4000366, NT2RM4001856, NT2RM4002390, NT2RP2000108, NT2RP2000257, NT2RP2001506,
 NT2RP2002047, NT2RP2002066, NT2RP2002475, NT2RP2004400, NT2RP2004587, NT2RP200528 9,
 NT2RP2005694, NT2RP3001898, NT2RP3003264, NT2RP3003433, NT2RP3003842, OVARC10012 40,
 PLACE1001323, PLACE1002227, PLACE1002500, PLACE1002604, PLACE1002772, PLACE1003 478,
 PLACE1004681, PLACE1005108, PLACE1005932, PLACE1006318, PLACE1006368, PLACE100 6506,
 10 PLACE1006904, PLACE1007557, PLACE1007877, PLACE1009048, PLACE1011109, PLACE10 11643,
 PLACE4000548, THYRO1000279, Y79AA1000410, Y79AA1002103,

Group (7): 32 clones

The following 32 clones having low scores in both the ATGpr1 and ATGpr2 (Table 11) were judged to be full-length,
 15 since both scores were still the maximum in a cluster compared with those of the other clones(at least 2 clones or
 more) in the same cluster. The clones were novel clones, in which the number of the identical human ESTs for both
 the 5'-end and 3'-end sequences is 1 or higher and not more than 5.

HEMBA1000251, HEMBA1001803, HEMBA1001918, HEMBA1002257, HEMBA1003064, HEMBA1003714,
 HEMBA1004405, HEMBA1005508, HEMBB1000054, HEMBB1001142, MAMMA1000175, MAMMA100116 2,
 20 MAMMA1002972, NT2RM4000425, NT2RP2004512, NT2RP2005531, NT2RP2005942, NT2RP20065 54,
 NT2RP3001007, NT2RP3001318, OVARC1000017, OVARC1000068, OVARC1000486, PLACE1001 705,
 PLACE1002319, PLACE1007743, PLACE1007829, PLACE1008630, PLACE1009925, PLACE101 1492,
 PLACE1011749, THYRO1000793,

The following 117 clones, selected by assembling the sequence of the other clones in the same cluster and human
 25 ESTs, have high fullness ratio. The clones were classified into the following group (8) and (9).

HEMBA1001323, HEMBA1001330, HEMBA1001712, HEMBA1001820, HEMBA1002204, HEMBA1002349,
 HEMBA1002538, HEMBA1003309, HEMBA1003939, HEMBA1004015, HEMBA1004295, HEMBA100467 2,
 HEMBA1004865, HEMBA1005251, HEMBA1006158, HEMBA1006676, HEMBA1006779, HEMBA10072 88,
 HEMBB1000218, HEMBB1000272, HEMBB1000399, HEMBB1000491, HEMBB1000996, HEMBB1001 114,
 30 HEMBB1001850, HEMBB1002015, MAMMA1000287, MAMMA1001683, MAMMA1001686, MAMMA100 2612,
 NT2RM2000609, NT2RM4002438, NT2RM4002567, NT2RP2000270, NT2RP2000758, NT2RP2001290,
 NT2RP2001526, NT2RP2002124, NT2RP2002736, NT2RP2002753, NT2RP2003456, NT2RP200372 7,
 NT2RP2003871, NT2RP2003968, NT2RP2004321, NT2RP2004412, NT2RP2004580, NT2RP20052 93,
 NT2RP2005476, NT2RP2005753, NT2RP2005815, NT2RP2005841, NT2RP2005857, NT2RP2006 393,
 35 NT2RP2006467, NT2RP3000109, NT2RP3000449, NT2RP3001245, NT2RP3001634, NT2RP300 2056,
 NT2RP3002810, NT2RP3002955, NT2RP3003032, NT2RP3003138, NT2RP3003500, NT2RP30 03819,
 NT2RP4000078, NT2RP4000515, NT2RP4000517, NT2RP4001407, NT2RP4001889, NT2RP4 002905,
 OVARC1000071, OVARC1001883, PLACE1000292, PLACE1001007, PLACE1001395, PLACE1001691,
 PLACE1001746, PLACE1001748, PLACE1001845, PLACE1002066, PLACE1003373, PLACE100390 0,
 40 PLACE1004118, PLACE1004256, PLACE1004284, PLACE1004336, PLACE1004506, PLACE10049 34,
 PLACE1005077, PLACE1005111, PLACE1005409, PLACE1005730, PLACE1006076, PLACE1006 360,
 PLACE1006470, PLACE1006760, PLACE1006867, PLACE1007045, PLACE1007111, PLACE100 7807,
 PLACE1008080, PLACE1008244, PLACE1008369, PLACE1008405, PLACE1008426, PLACE10 08621,
 PLACE1009020, PLACE1009621, PLACE1010089, PLACE1010270, PLACE3000276, THYRO1 000805,
 45 THYRO1001365, THYRO1001673, Y79AA1001848,

Group (8): 36 clones

Among the 117 clones described above, the following 36 clones were novel clones, in which at least either of the
 5'-end or 3'-end sequence, or both of them were not identical to any of human ESTs.

HEMBA1001330, HEMBA1001712, HEMBA1001820, HEMBA1002204, HEMBA1002349, HEMBA1003939,
 HEMBA1004295, HEMBA1004865, HEMBA1006779, HEMBB1000218, HEMBB1000491, HEMBB100099 6,
 HEMBB1001114, MAMMA1000287, MAMMA1001686, MAMMA1002612, NT2RP2002736, NT2RP20037 27,
 NT2RP2004580, NT2RP2005841, NT2RP2006393, PLACE1002066, PLACE1003373, PLACE1003 900,
 PLACE1004118, PLACE1004336, PLACE1004506, PLACE1004934, PLACE1005409, PLACE100 5730,
 55 PLACE1006470, PLACE1008080, PLACE3000276, THYRO1000805, THYRO1001365, THYRO10 01673,

Group (9): 81 clones

Among the 117 clones described above, the following 81 clones were the clones in which the number of the identical

human ESTs for the 5'-end sequence is not more than 20 (except clones in which at least either of the 5'-end or 3'-end sequence, or both of them are not identical to any of human ESTs, and clones in which the number of the identical human ESTs for both the 5'-end and 3'-end sequences is 1 or higher and not more than 5).

5 HEMBA1001323, HEMBA1002538, HEMBA1003309, HEMBA1004015, HEMBA1004672, HEMBA1005251, HEMBA1006158, HEMBA1006676, HEMBA1007288, HEMBB1000272, HEMBB1000399, HEMBB100185 0, HEMBB1002015, MAMMA1001683, NT2RM2000609, NT2RM4002438, NT2RM4002567, NT2RP20002 70, NT2RP2000758, NT2RP2001290, NT2RP2001526, NT2RP2002124, NT2RP2002753, NT2RP2003 456, NT2RP2003871, NT2RP2003968, NT2RP2004321, NT2RP2004412, NT2RP2005293, NT2RP200 5476, NT2RP2005753, NT2RP2005815, NT2RP2005857, NT2RP2006467, NT2RP3000109, NT2RP30 00449, NT2RP3001245, NT2RP3001634, NT2RP3002056, NT2RP3002810, NT2RP3002955, NT2RP3 003032, NT2RP3003138, NT2RP3003500, NT2RP3003819, NT2RP4000078, NT2RP4000515, NT2RP 4000517, NT2RP4001407, NT2RP4001889, NT2RP4002905, OVARC1000071, OVARC1001883, PLACE1000292, PLACE1001007, PLACE1001395, PLACE1001691, PLACE1001746, PLACE1001748, PLACE1001845, PLACE1004256, PLACE1004284, PLACE100507 7, PLACE1005111, PLACE1006076, PLACE1006360, PLACE1006760, PLACE1006867, PLACE10070 45, PLACE1007111, PLACE1007807, PLACE1008244, PLACE1008369, PLACE1008405, PLACE1008 426, PLACE1008621, PLACE1009020, PLACE1009621, PLACE1010089, PLACE1010270, Y79AA100 1848,

Group (10): 938 clones

20 The following 938 clones having low scores in both the ATGpr1 and ATGpr2 were judged to be full-length according to the fullness ratio shown in Table 4. The clones were novel clones, in which at least the 5'-end sequence was not identical to any of human ESTs.

25 HEMBA1000042, HEMBA1000213, HEMBA1000264, HEMBA1000355, HEMBA1000366, HEMBA1000411, HEMBA1000422, HEMBA1000428, HEMBA1000434, HEMBA1000442, HEMBA1000464, HEMBA100054 0, HEMBA1000563, HEMBA1000569, HEMBA1000655, HEMBA1000662, HEMBA1000702, HEMBA10007 05, HEMBA1000722, HEMBA1000747, HEMBA1000769, HEMBA1000773, HEMBA1000774, HEMBA1000 827, HEMBA1000843, HEMBA1000852, HEMBA1000870, HEMBA1000908, HEMBA1000985, HEMBA100 0991, HEMBA1001017, HEMBA1001019, HEMBA1001094, HEMBA1001121, HEMBA1001172, HEMBA10 01265, HEMBA1001327, HEMBA1001375, HEMBA1001432, HEMBA1001454, HEMBA1001463, HEMBA1 001515, HEMBA1001517, HEMBA1001557, HEMBA1001566, HEMBA1001585, HEMBA1001589, HEMBA 1001608, HEMBA1001675, HEMBA1001678, HEMBA1001681, HEMBA1001718, HEMBA1001761, HEMB A1001945, HEMBA1001960, HEMBA1001964, HEMBA1001991, HEMBA1002003, HEMBA1002008, HEMBA1002039, HEMBA1002100, HEMBA1002113, HEMBA1002139, HEMBA1002144, HEMBA1002153, HEMBA1002226, HEMBA1002253, HEMBA1002270, HEMBA100232 1, HEMBA1002328, HEMBA1002337, HEMBA1002381, HEMBA1002486, HEMBA1002552, HEMBA10025 55, HEMBA1002558, HEMBA1002561, HEMBA1002590, HEMBA1002628, HEMBA1002629, HEMBA1002 651, HEMBA1002659, HEMBA1002666, HEMBA1002678, HEMBA1002712, HEMBA1002716, HEMBA100 2730, HEMBA1002748, HEMBA1002780, HEMBA1002801, HEMBA1002826, HEMBA1002833, HEMBA10 02886, HEMBA1002896, HEMBA1003083, HEMBA1003086, HEMBA1003098, HEMBA1003133, HEMBA1 003197, HEMBA1003212, HEMBA1003273, HEMBA1003278, HEMBA1003304, HEMBA1003314, HEMBA 1003328, HEMBA1003330, HEMBA1003348, HEMBA1003376, HEMBA1003384, HEMBA1003595, HEMB A1003597, HEMBA1003622, HEMBA1003637, HEMBA1003656, HEMBA1003715, HEMBA1003725, HEM BA1003733, HEMBA1003758, HEMBA1003773, HEMBA1003784, HEMBA1003885, HEMBA1003937, HE MBA1003950, HEMBA1003976, HEMBA1004012, HEMBA1004045, HEMBA1004138, HEMBA1004241, HEMBA1004272, HEMBA1004306, HEMBA1004312, HEMBA1004334, HEMBA1004354, HEMBA1004356, HEMBA1004366, HEMBA100439 4, HEMBA1004396, HEMBA1004429, HEMBA1004460, HEMBA1004461, HEMBA1004482, HEMBA10045 06, HEMBA1004538, HEMBA1004586, HEMBA1004617, HEMBA1004629, HEMBA1004631, HEMBA1004 666, HEMBA1004670, HEMBA1004733, HEMBA1004816, HEMBA1004820, HEMBA1004918, HEMBA100 4956, HEMBA1004960, HEMBA1004978, HEMBA1004995, HEMBA1005008, HEMBA1005062, HEMBA10 05274, HEMBA1005275, HEMBA1005293, HEMBA1005304, HEMBA1005315, HEMBA1005372, HEMBA1 005389, HEMBA1005426, HEMBA1005500, HEMBA1005506, HEMBA1005511, HEMBA1005520, HEMBA 1005568, HEMBA1005570, HEMBA1005616, HEMBA1005627, HEMBA1005631, HEMBA1005632, HEMB A1005670, HEMBA1005699, HEMBA1005705, HEMBA1005765, HEMBA1005780, HEMBA1005853, HEM BA1005909, HEMBA1005931, HEMBA1005934, HEMBA1005962, HEMBA1005999, HEMBA1006002, HEMBA1006005, HEMBA1006042, HEMBA1006067, HEMBA1006090, HEMBA1006142, HEMBA1006268, HEMBA1006334, HEMBA1006359, HEMBA1006416, HEMBA1006419, HEMBA100642 1, HEMBA1006446, HEMBA1006471, HEMBA1006486, HEMBA1006489, HEMBA1006546, HEMBA10065 69,

HEMBA1006595, HEMBA1006617, HEMBA1006635, HEMBA1006648, HEMBA1006665, HEMBA1006 821,
 HEMBA1006849, HEMBA1006865, HEMBA1006929, HEMBA1007045, HEMBA1007051, HEMBA100 7073,
 HEMBA1007113, HEMBA1007256, HEMBA1007273, HEMBA1007322, HEMBA1007347, HEMBB1000039,
 5 HEMBB1000044, HEMBB1000059, HEMBB1000089, HEMBB1000099, HEMBB1000113, HEMBB1000141,
 HEMBB1000250, HEMBB1000264, HEMBB1000274, HEMBB1000284, HEMBB100030 7, HEMBB1000312,
 HEMBB1000317, HEMBB1000337, HEMBB1000341, HEMBB1000343, HEMBB10003 69, HEMBB1000376,
 HEMBB1000434, HEMBB1000441, HEMBB1000455, HEMBB1000472, HEMBB1000 518, HEMBB1000530,
 HEMBB1000564, HEMBB1000575, HEMBB1000586, HEMBB1000598, HEMBB100 0637, HEMBB1000638,
 10 HEMBB1000643, HEMBB1000665, HEMBB1000726, HEMBB1000738, HEMBB10 00770, HEMBB1000794,
 HEMBB1000821, HEMBB1000822, HEMBB1000883, HEMBB1000888, HEMBB1 000890, HEMBB1000910,
 HEMBB1000959, HEMBB1000981, HEMBB1001037, HEMBB1001051, HEMBB 1001060, HEMBB1001133,
 HEMBB1001208, HEMBB1001209, HEMBB1001218, HEMBB1001221, HEMB B1001249, HEMBB1001254,
 HEMBB1001267, HEMBB1001282, HEMBB1001302, HEMBB1001304, HEM BB1001335, HEMBB1001348,
 HEMBB1001356, HEMBB1001366, HEMBB1001380, HEMBB1001443, HEMBB1001463, HEMBB1001464,
 15 HEMBB1001521, HEMBB1001527, HEMBB1001537, HEMBB1001555, HEMBB1001586, HEMBB1001619,
 HEMBB1001630, HEMBB1001637, HEMBB1001641, HEMBB1001706, HEMBB1001735, HEMBB100175 3,
 HEMBB1001762, HEMBB1001802, HEMBB1001880, HEMBB1001899, HEMBB1001921, HEMBB10019 30,
 HEMBB1001952, HEMBB1001953, HEMBB1001973, HEMBB1001988, HEMBB1002002, HEMBB1002 005,
 HEMBB1002009, HEMBB1002042, HEMBB1002049, HEMBB1002069, HEMBB1002115, HEMBB100 2139,
 20 HEMBB1002189, HEMBB1002232, HEMBB1002254, HEMBB1002255, HEMBB1002280, HEMBB10 02306,
 HEMBB1002364, HEMBB1002371, HEMBB1002381, HEMBB1002453, HEMBB1002477, HEMBB1 002509,
 HEMBB1002531, HEMBB1002601, HEMBB1002603, HEMBB1002610, HEMBB1002613, HEMBB 1002623,
 HEMBB1002635, HEMBB1002664, HEMBB1002677, HEMBB1002683, HEMBB1002686, HEMB B1002699,
 HEMBB1002712,
 25 MAMMA1000009, MAMMA1000045, MAMMA1000103, MAMMA1000133, MAMMA1000134, MAMMA1000155,
 MAMMA1000241, MAMMA1000254, MAMMA1000264, MAMMA1000266, MAMMA1000340, MAMMA100038 5,
 MAMMA1000423, MAMMA1000424, MAMMA1000446, MAMMA1000478, MAMMA1000501, MAMMA10005 16,
 MAMMA1000565, MAMMA1000585, MAMMA1000605, MAMMA1000616, MAMMA1000621, MAMMA1000 643,
 MAMMA1000669, MAMMA1000696, MAMMA1000707, MAMMA1000714, MAMMA1000718, MAMMA100 0732,
 30 MAMMA1000733, MAMMA1000839, MAMMA1000845, MAMMA1000855, MAMMA1000863, MAMMA10 00867,
 MAMMA1000880, MAMMA1000905, MAMMA1000942, MAMMA1000957, MAMMA1000987, MAMMA1 000998,
 MAMMA1001003, MAMMA1001024, MAMMA1001030, MAMMA1001035, MAMMA1001050, MAMMA 1001067,
 MAMMA1001082, MAMMA1001092, MAMMA1001145, MAMMA1001161, MAMMA1001203, MAMM A1001243,
 MAMMA1001268, MAMMA1001280, MAMMA1001298, MAMMA1001322, MAMMA1001324, MAM MA1001383,
 35 MAMMA1001408, MAMMA1001435, MAMMA1001442, MAMMA1001446,
 MAMMA1001501, MAMMA1001575, MAMMA1001606, MAMMA1001671, MAMMA1001715, MAMMA1001740,
 MAMMA1001788, MAMMA1001818, MAMMA1001854, MAMMA1001878, MAMMA1001931, MAMMA100199 2,
 MAMMA1002032, MAMMA1002082, MAMMA1002084, MAMMA1002108, MAMMA1002118, MAMMA10021 40,
 MAMMA1002215, MAMMA1002267, MAMMA1002298, MAMMA1002299, MAMMA1002310, MAMMA1002 322,
 40 MAMMA1002339, MAMMA1002347, MAMMA1002352, MAMMA1002361, MAMMA1002392, MAMMA100 2417,
 MAMMA1002428, MAMMA1002446, MAMMA1002475, MAMMA1002480, MAMMA1002545, MAMMA10 02556,
 MAMMA1002566, MAMMA1002597, MAMMA1002603, MAMMA1002623, MAMMA1002625, MAMMA1 002629,
 MAMMA1002636, MAMMA1002662, MAMMA1002698, MAMMA1002708, MAMMA1002721, MAMMA 1002744,
 MAMMA1002754, MAMMA1002758, MAMMA1002780, MAMMA1002833, MAMMA1002835, MAMM A1002838,
 45 MAMMA1002844, MAMMA1002858, MAMMA1002880, MAMMA1002887, MAMMA1002908, MAM MA1002930,
 MAMMA1002970, MAMMA1002982, MAMMA1003003, MAMMA1003019, MAMMA1003026, MA MMA1003031,
 MAMMA1003040, MAMMA1003055,
 NT2RM4000046, NT2RM4000085, NT2RM4000200, NT2RM4000244, NT2RM4000368, NT2RM4000979,
 50 NT2RM4001016, NT2RM4001519, NT2RM4001557, NT2RM4001605, NT2RM4001810, NT2RM400185 8,
 NT2RM4001930, NT2RM4002067, NT2RM4002278, NT2RM4002281, NT2RM4002287, NT2RM40023 83,
 NT2RM4002479, NT2RM4002504, NT2RM4002532, NT2RP2000027, NT2RP2000098, NT2RP2000 258,
 NT2RP2000327, NT2RP2000337, NT2RP2000459, NT2RP2000498, NT2RP2000987, NT2RP200 1277,
 NT2RP2001312, NT2RP2001423, NT2RP2001445, NT2RP2001449, NT2RP2001677, NT2RP20 01699,
 NT2RP2001720, NT2RP2001740, NT2RP2001762, NT2RP2001813, NT2RP2001869, NT2RP2 001943,
 55 NT2RP2002032, NT2RP2002070, NT2RP2002105, NT2RP2002137, NT2RP2002192, NT2RP 2002256,
 NT2RP2002259, NT2RP2002394, NT2RP2002439, NT2RP2002457, NT2RP2002504, NT2R P2002606,
 NT2RP2002727, NT2RP2002740, NT2RP2002752, NT2RP2002839, NT2RP2002987, NT2RP2003129,
 NT2RP2003161, NT2RP2003164, NT2RP2003230, NT2RP2003339, NT2RP2003499, NT2RP2003522,

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NT2RP2003559, NT2RP2003706, NT2RP2003770, NT2RP2003859, NT2RP200388 5, NT2RP2004014,
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 10 Y79AA1000405, Y79AA1000538, Y79AA1000802, Y79AA1000969, Y79AA1001061, Y79AA1 001167,
 Y79AA1001384, Y79AA1001594, Y79AA1001875, Y79AA1002211,

Group (11): 228 clones

15 The following 228 clones having low scores in both the ATGpr1 and ATGpr2 were judged to be full-length according
 to the fullness ratio shown in Table 7. The clones were a novel clone, in which at least the 3'-end sequence was not
 identical to any of human ESTs.

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 HEMBB1001967, HEMBB1002043, HEMBB1002094, HEMBB1002190, HEMBB1002520, HEMBB100 2556,
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 MAMMA1001133, MAMMA1001191, MAMMA1001206, MAMMA1001249, MAMMA1001330, MAMMA1001 452,
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 MAMMA1003140,
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 NT2RP2000523, NT2RP2000603, NT2RP2000644, NT2RP2000731, NT2RP2001196, NT2RP200167 8,
 45 NT2RP2001926, NT2RP2003206, NT2RP2003704, NT2RP2003912, NT2RP2004396, NT2RP20046 81,
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 THYRO1000092, THYRO1000471, THYRO1000852, THYRO1001534, THYRO1001595, THYRO 1001745.

EXAMPLE 12

Homology search using the 5'-end and 3'-end sequences of the selected clones.

5 **[0172]** The 5'-end sequences of the selected 5547 clones were used for the homology search of the SwissProt, and both the 5'-end 3'-end sequences were used for the search of the GenBank and UniGene (ref. the result of the search of the SwissProt, GenBank (except ESTs and STSs), and UniGene (Human) was attached).

[0173] Each search result is shown in the last part of this SPECIFICATION by arranging each item in the following format.

10

		5'-end sequence	3'-end sequence
	Swiss-Prot	Homology search result 1	-----
	GenBank	Homology search result 2	Homology search result 3
15	UniGene	Homology search result 4	Homology search result 5

20 **[0174]** According to the top hit data, at least 1430 clones were predicted to encode a protein belonging to any of the categories, secretory or membrane protein, glycoprotein, protein associated with signal transduction, protein associated with transcription, protein associated with diseases, enzyme or protein associated with metabolism, protein associated with cell division or cell proliferation, protein associated with cytoskeleton, protein associated with RNA synthesis, nuclear protein, protein associated with protein synthesis or transport, protein associated with cellular defense, or protein associated with development or growth. Among the clones predicted belonging to any of the categories, 1001 clones were estimated to have a relatively high homology with the known proteins or genes in the same category. In addition, 429 clones were estimated to have a relatively low homology with the known proteins in the same category.

25 **[0175]** Herein, the term "relatively high homology" is defined as having 60% or more identity and the P-value 10^{-10} or less in comparison with known sequences in the SwissProt database, or 64% or more identity and the P-value 10^{-15} or less in comparison with those in the GenBank and UniGene databases (see the attached list). Also, the term "relatively low homology" is defined as not fulfilling the requirements to be "relatively high homology", but still having the scores, 25% or more identity and the P-value 10^{-6} or less, using the sequence having 55 nucleotides or more, in comparison with known sequences in the SwissProt database (see the attached list). The P-value is a score obtained statistically by taking into account the probability of occurrence of the similarity between two sequences. In general, the smaller P-value reflects the higher similarity (Altschul S.F., Gish W., Miller W., Myers E.W., and Lipman D.J. (1990) "Basic local alignment search tool" J.Mol. Biol., 215: 403-410; Gish W., and States D.J. (1993) "Identification of protein coding regions by database similarity search" Nature Genet. 3: 266-272).

35 **[0176]** The clones predicted to encode a protein in the category of secretory protein or membrane protein have the keywords, "signal", "transmembrane", "membrane", "extracellular matrix", "receptor", "G-protein coupled receptor", "ionic channel", "voltage-gated channel", "calcium channel", "cell adhesion", "collagen", or "connective tissue", or descriptions from which the clone can be predicted to be a secretory or membrane protein, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

40 **[0177]** The clones predicted to encode a protein in the category of glycoprotein have the keywords, "glycoprotein", or descriptions from which the clone can be predicted to be a glycoprotein, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

45 **[0178]** The clones predicted to encode a protein in the category of proteins associated with signal transduction have the keywords, "serine/threonine-protein kinase", "tyrosine-protein kinase", "SH3 domain", or "WD repeat", or descriptions from which the clone can be predicted to be a protein associated with signal transduction (such as "ADP-ribosylation factor"), in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

50 **[0179]** The clones predicted to encode a protein in the category of proteins associated with transcription have the keywords, "transcription regulation", "zinc finger", or "homeobox", or descriptions from which the clone can be predicted to be a protein associated with transcription, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

55 **[0180]** The clones predicted to encode a protein in the category of proteins associated with diseases are the clones in which the top hit data of the SwissProt using the 5'-end sequence, or the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence is a gene or protein that is deposited in the Online Mendelian Inheritance in Man (OMIM) database, which is a database of human genes and diseases, or the top hit data has descriptions from which the clone can be predicted to be a protein associated with diseases.

[0181] The clones predicted to encode a protein in the category of enzyme or proteins associated with metabolism are the clones in which the top hit data of the SwissProt using the 5'-end sequence, or the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence is a gene or protein with E.C.No. (Enzyme commission number), or the top hit data has descriptions from which the clone can be predicted to be an enzyme or protein associated with metabolism (such as "metabolism", "oxidoreductase", or "lipid").

[0182] The clones predicted to encode a protein in the category of proteins associated with cell division or cell proliferation have the keywords, "cell division", "cell cycle", "mitosis", or "chromosomal protein", or descriptions from which the clone can be predicted to be a protein associated with cell division or cell proliferation (such as "histone", "cell growth", or "apoptosis"), in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0183] The clones predicted to encode a protein in the category of proteins associated with cytoskeleton have the keywords, "structural protein", "cytoskeleton", "actin-binding", or "microtubules", or descriptions from which the clone can be predicted to be a protein associated with cytoskeleton, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0184] The clones predicted to encode a protein in the category of proteins associated with RNA synthesis include the above clones predicted to be a protein associated with transcription, and also the clones which have the keywords, "RNA splicing", or "RNA processing", or descriptions from which the clone can be predicted to be a protein associated with RNA synthesis (such as "RNA helicase", "polyadenylation", or "RNA transport"), in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0185] The clones predicted to encode a protein in the category of nuclear protein include the above clones predicted to be a protein associated with transcription, and also the clones which have the keyword, "nuclear protein", or descriptions from which the clone can be predicted to be a nuclear protein, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0186] The clones predicted to encode a protein in the category of proteins associated with protein synthesis or transport have the keywords, "translation regulation", "protein biosynthesis", "amino-acid biosynthesis", "ribosomal protein", or "protein transport", or descriptions from which the clone can be predicted to be a protein associated with protein synthesis or transport (such as "signal recognition particle", "ubiquitin", "proteosome", or "protease"), in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0187] The clones predicted to encode a protein in the category of proteins associated with cellular defense have the keywords, "heat shock", "chaperone", "DNA repair", or "DNA damage", or descriptions from which the clone can be predicted to be a protein associated with cellular defense, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0188] The clones predicted to encode a protein in the category of proteins associated with development or growth have the keyword, "developmental protein", or descriptions from which the clone can be predicted to be a protein associated with development or growth, in the top hit data of the SwissProt using the 5'-end sequence, or in the top hit data of the GenBank or UniGene using the 5'-end sequence and 3'-end sequence.

[0189] The following 1430 clones were predicted to encode a protein belonging to any of the categories, secretory or membrane protein, glycoprotein, protein associated with signal transduction, protein associated with transcription, protein associated with diseases, enzyme or protein associated with metabolism, protein associated with cell division or cell proliferation, protein associated with cytoskeleton, protein associated with RNA synthesis, nuclear protein, protein associated with protein synthesis or transport, protein associated with cellular defense, or protein associated with development or growth.

HEMBA1000005, HEMBA1000012, HEMBA1000020, HEMBA1000030, HEMBA1000158, HEMBA1000185, HEMBA1000201, HEMBA1000216, HEMBA1000303, HEMBA1000459, HEMBA1000488, HEMBA1000491, HEMBA1000523, HEMBA1000531, HEMBA1000542, HEMBA1000561, HEMBA1000569, HEMBA1000588, HEMBA1000591, HEMBA1000657, HEMBA1000673, HEMBA1000752, HEMBA1000827, HEMBA1000851, HEMBA1000852, HEMBA1000972, HEMBA1000991, HEMBA1001017, HEMBA1001019, HEMBA1001059, HEMBA1001071, HEMBA1001088, HEMBA1001123, HEMBA1001137, HEMBA1001174, HEMBA1001257, HEMBA1001302, HEMBA1001351, HEMBA1001387, HEMBA1001407, HEMBA1001476, HEMBA1001510, HEMBA1001569, HEMBA1001570, HEMBA1001579, HEMBA1001595, HEMBA1001620, HEMBA1001672, HEMBA1001678, HEMBA1001714, HEMBA1001744, HEMBA1001800, HEMBA1001804, HEMBA1001809, HEMBA1001819, HEMBA1001822, HEMBA1001847, HEMBA1001896, HEMBA1001913, HEMBA1001921, HEMBA1002003, HEMBA1002035, HEMBA1002092, HEMBA1002102, HEMBA1002150, HEMBA1002160, HEMBA1002161, HEMBA1002162, HEMBA1002212, HEMBA1002229, HEMBA1002257, HEMBA1002341, HEMBA1002363, HEMBA1002417, HEMBA1002495, HEMBA1002513, HEMBA1002547, HEMBA1002555, HEMBA1002569, HEMBA1002609, HEMBA1002688, HEMBA1002716, HEMBA1002810, HEMBA1002896,

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 55 Y79AA1002209, Y79AA1002258, Y79AA1002361, Y79AA1002416, Y79AA1002472, Y79AA100 2482,

[0190] Among the clones, 1001 clones were estimated to have a relatively high homology with the known proteins or genes in the same category.

HEMBA1000005, HEMBA1000020, HEMBA1000030, HEMBA1000158, HEMBA1000201, HEMBA1000216,

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[0191] The following 429 clones were estimated to have a relatively low homology with the known proteins in the same category.

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HEMBA1000012, HEMBA1000185, HEMBA1000488, HEMBA1000491, HEMBA1000569,
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5 HEMBA1001137, HEMBA1001407, HEMBA1001476, HEMBA1001744, HEMBA1001800,
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HEMBA1007045, HEMBA1007121, HEMBA1007300, HEMBA1007301,

HEMBB1000119, HEMBB1000217, HEMBB1000317, HEMBB1000632, HEMBB1000789,

HEMBB1001011, HEMBB1001177, HEMBB1001234, HEMBB1001282, HEMBB1001288,

HEMBB1002050, HEMBB1002092,

MAMMA1000085, MAMMA1000672, MAMMA1000841, MAMMA1000897, MAMMA1001008,
MAMMA1001030, MAMMA1001041,

MAMMA1002143, MAMMA1002573, MAMMA1002619, MAMMA1002636, MAMMA1002650,
MAMMA1002671, MAMMA1002881, MAMMA1002937,

NT2RM1000118, NT2RM1000153, NT2RM1000186, NT2RM1000187, NT2RM1000377,

NT2RM1000648, NT2RM1000666, NT2RM1000691, NT2RM1000770, NT2RM1000772,
NT2RM1000850, NT2RM1000882, NT2RM1000898,

NT2RM1001059, NT2RM1001072, NT2RM1001139,

NT2RM2000363, NT2RM2000371, NT2RM2000402, NT2RM2000577, NT2RM2000599,
NT2RM2000623, NT2RM2000714,

NT2RM2001131, NT2RM2001221, NT2RM2001324, NT2RM2001345,

NT2RM2001588, NT2RM2001635, NT2RM2001670, NT2RM2001700, NT2RM2001730,
NT2RM2001785, NT2RM2001797, NT2RM2001823, NT2RM2001936, NT2RM2001989,
NT2RM2002580,

NT2RM4000030, NT2RM4000085, NT2RM4000155, NT2RM4000156, NT2RM4000169,
NT2RM4000191, NT2RM4000215, NT2RM4000354, NT2RM4000421, NT2RM4000496,
NT2RM4000734, NT2RM4000751,

NT2RM4001032, NT2RM4001140, NT2RM4001316, NT2RM4001340, NT2RM4001410,
NT2RM4001444,

NT2RM4001611, NT2RM4001629, NT2RM4001746, NT2RM4001776, NT2RM4001783,
NT2RM4001930, NT2RM4001979, NT2RM4001987,

NT2RM4002062, NT2RM4002145, NT2RM4002189, NT2RM4002226, NT2RM4002409,

NT2RM4002527, NT2RM4002571, NT2RM4002623,

NT2RP1000111, NT2RP1000130, NT2RP1000333, NT2RP1000348, NT2RP1000363,
NT2RP1000460, NT2RP1000470, NT2RP1000493,

NT2RP1000547, NT2RP1000609, NT2RP1001033, NT2RP1001080, NT2RP1001313,
NT2RP1001543,

NT2RP2000006, NT2RP2000133, NT2RP2000161, NT2RP2000183, NT2RP2000257,
NT2RP2000448,

NT2RP2000710, NT2RP2000764, NT2RP2000812, NT2RP2000932, NT2RP2001127,
NT2RP2001174, NT2RP2001839, NT2RP2001900,

NT2RP2002025, NT2RP2002058, NT2RP2002185, NT2RP2002442, NT2RP2002595,
NT2RP2002618, NT2RP2002710, NT2RP2002980,

NT2RP2003125, NT2RP2003277, NT2RP2003286, NT2RP2003293, NT2RP2003506,
NT2RP2003564, NT2RP2003706,

NT2RP2004098, NT2RP2004187, NT2RP2004568, NT2RP2004791, NT2RP2005022,
NT2RP2005037, NT2RP2005038, NT2RP2005204, NT2RP2005344, NT2RP2005465,
NT2RP2005496, NT2RP2005531, NT2RP2005690, NT2RP2005763, NT2RP2005767,
NT2RP2006275,

NT2RP3000046, NT2RP3000047, NT2RP3000361, NT2RP3000397, NT2RP3000418,
NT2RP3000527, NT2RP3000590, NT2RP3000603, NT2RP3000759, NT2RP3000868,
NT2RP3000994,

NT2RP3001216, NT2RP3001274, NT2RP3001355, NT2RP3001399, NT2RP3001407,
NT2RP3001426, NT2RP3001427,

NT2RP3001587, NT2RP3001708, NT2RP3002056, NT2RP3002273, NT2RP3002377,
NT2RP3002399, NT2RP3002663, NT2RP3002785, NT2RP3002909,

NT2RP3003061, NT2RP3003500, NT2RP3003672, NT2RP3003701, NT2RP3003716,
NT2RP3003825, NT2RP3003831,

NT2RP3004209, NT2RP3004253, NT2RP3004454, NT2RP3004472, NT2RP3004475,
NT2RP3004507, NT2RP3004569, NT2RP3004578, NT2RP3004617, NT2RP3004669,

NT2RP4000210, NT2RP4000212, NT2RP4000259, NT2RP4000312, NT2RP4000370,
NT2RP4000417, NT2RP4000449, NT2RP4000457, NT2RP4000498, NT2RP4000528,
NT2RP4000879, NT2RP4000925,

NT2RP4001041, NT2RP4001095, NT2RP4001122, NT2RP4001126, NT2RP4001148,
NT2RP4001149, NT2RP4001150, NT2RP4001174, NT2RP4001207, NT2RP4001219,
NT2RP4001372, NT2RP4001375,

NT2RP4001551, NT2RP4001592, NT2RP4001638, NT2RP4001725, NT2RP4001790,
NT2RP4001823, NT2RP4001838, NT2RP4001849, NT2RP4001893, NT2RP4001927,
NT2RP4001946, NT2RP4002408,

NT2RP5003477, NT2RP5003522, NT2RP5003524,

OVARC1000004, OVARC1000087, OVARC1000139, OVARC1000309, OVARC1000543,
OVARC1000746, OVARC1000846, OVARC1000876, OVARC1000885, OVARC1000912,

OVARC1001180, OVARC1001329, OVARC1001476, OVARC1001555, OVARC1001610,
OVARC1001762, OVARC1001880, OVARC1001942, OVARC1002050, OVARC1002138,

PLACE1000066, PLACE1000142, PLACE1000420, PLACE1000547, PLACE1000583,
PLACE1000863,

PLACE1001387, PLACE1001632, PLACE1001692, PLACE1001989,

PLACE1002450, PLACE1002571, PLACE1002722, PLACE1002775, PLACE1002811,
PLACE1002991,

PLACE1003190, PLACE1003258, PLACE1003420, PLACE1003493, PLACE1003605,
PLACE1003669, PLACE1003704, PLACE1003915,

PLACE1004197, PLACE1004428, PLACE1004471, PLACE1004629, PLACE1004751,
PLACE1004902,

PLACE1005287, PLACE1005557, PLACE1005611, PLACE1005763, PLACE1005890,

PLACE1006157, PLACE1006469, PLACE1006731,

PLACE1007238, PLACE1007375, PLACE1007488, PLACE1007544, PLACE1007598,
PLACE1007729, PLACE1008244, PLACE1008275, PLACE1008947,

PLACE1009094, PLACE1009319, PLACE1009622, PLACE1009721, PLACE1009845,

PLACE1009861,

PLACE1010083, PLACE1010089, PLACE1010106, PLACE1010152, PLACE1010194,
PLACE1010310, PLACE1010833, PLACE1010960, PLACE1011056, PLACE1011219,
PLACE1011263, PLACE1011371, PLACE1011492,

PLACE2000034, PLACE2000164, PLACE2000274, PLACE2000399, PLACE2000411,
PLACE2000458,

PLACE3000148, PLACE3000156, PLACE3000242, PLACE3000322, PLACE3000353,
PLACE3000373,

PLACE4000009, PLACE4000014, PLACE4000259, PLACE4000431, PLACE4000522,
PLACE4000558, PLACE4000581, PLACE4000590, PLACE4000612,

SKNMC1000011,

THYRO1000072, THYRO1000852, THYRO1000934, THYRO1000951,

Y79AA1000258, Y79AA1000368, Y79AA1000539, Y79AA1000589, Y79AA1000962;
Y79AA1001048, Y79AA1001233, Y79AA1001394, Y79AA1001581, Y79AA1001613,
Y79AA1001692, Y79AA1001848, Y79AA1001874, Y79AA1001963,

Y79AA1002027, Y79AA1002139, Y79AA1002208, Y79AA1002209, Y79AA1002472,
Y79AA1002482,

(1) Among the 1430 clones, the following 259 clones were predicted to encode a protein in the category of secretory protein or membrane protein (including the clones belonging to plural categories).

HEMBA1000005, HEMBA1001017, HEMBA1001059, HEMBA1001071, HEMBA1001351, HEMBA1001407,
HEMBA1001476, HEMBA1001569, HEMBA1001678, HEMBA1001804, HEMBA1002150, HEMBA100254 7,
HEMBA1002555, HEMBA1002688, HEMBA1002716, HEMBA1002999, HEMBA1003071, HEMBA10030 77,
HEMBA1003538, HEMBA1003598, HEMBA1003690, HEMBA1004207, HEMBA1004356, HEMBA1004 389,
HEMBA1004756, HEMBA1005338, HEMBA1005367, HEMBA1005576, HEMBA1005699, HEMBA100 5963,
HEMBA1005990, HEMBA1006310, HEMBA1006344, HEMBA1006562, HEMBA1006976, HEMBA10 07045,
HEMBA1007301, HEMBB1000037, HEMBB1000119, HEMBB1000317, HEMBB1000530, HEMBB1 000915,
HEMBB1001112, HEMBB1001119, HEMBB1001151, HEMBB1001282, HEMBB1001331, HEMBB 1002042,
HEMBB1002092, HEMBB1002193, HEMBB1002600, MAMMA1000103, MAMMA1000424, MAMM A1000672,
MAMMA1000734, MAMMA1000897, MAMMA1001008, MAMMA1001030, MAMMA1001041, MAM MA1001075,
MAMMA1001080, MAMMA1001751, MAMMA1001754, MAMMA1002143, MAMMA1002219, MA MMA1002485,
MAMMA1002636, MAMMA1002938, MAMMA1003104, NT2RM1000199, NT2RM1000355, N T2RM1000430,
NT2RM1000648, NT2RM1000742, NT2RM1000770, NT2RM1000811, NT2RM1000833, NT2RM1000867,
NT2RM1000882, NT2RM1000883, NT2RM1001139, NT2RM2000374, NT2RM2000402, NT2RM2000422,
NT2RM2000566, NT2RM2000623, NT2RR2001324, NT2RM2001499, NT2RM200158 8, NT2RM2001592,
NT2RM2001613, NT2RM2001635, NT2RM2001648, NT2RM2001760, NT2RM20021 09, NT2RM2002145,
NT2RM4000156, NT2RM4000169, NT2RM4000386, NT2RM4000433, NT2RM4000795, NT2RM4001032,
NT2RM4001054, NT2RM4001410, NT2RM4001605, NT2RM4001930, NT2RM4001987, NT2RM4002073,
NT2RM4002145, NT2RM4002189, NT2RM4002558, NT2RM400256 5, NT2RM4002571, NT2RM4002594,
NT2RP1000130, NT2RP1000326, NT2RP1000363, NT2RP10004 13, NT2RP1000547, NT2RP1000782,
NT2RP1000856, NT2RP1001247, NT2RP1001313, NT2RP1001 546, NT2RP1001569, NT2RP2000056,

NT2RP2000257, NT2RP2000842, NT2RP2001081, NT2RP200 1991, NT2RP2002025, NT2RP2002193,
 NT2RP2002256, NT2RP2002312, NT2RP2002479, NT2RP20 02504, NT2RP2003433, NT2RP2003706,
 NT2RP2003760, NT2RP2004194, NT2RP2004655, NT2RP2 005020, NT2RP2005344, NT2RP2005465,
 NT2RP2005752, NT2RP2005753, NT2RP2005835, NT2RP 2005933, NT2RP2006275, NT2RP2006565,
 5 NT2RP2006571, NT2RP3000324, NT2RP3000739, NT2R P3000919, NT2RP3001140, NT2RP3001355,
 NT2RP3001676, NT2RP3001708, NT2RP3001727, NT2 RP3002659, NT2RP3003059, NT2RP3003101,
 NT2RP3003203, NT2RP3003212, NT2RP3003242, NT 2RP3003672, NT2RP3003701, NT2RP3003716,
 NT2RP3003918, NT2RP3004207, NT2RP3004253, N T2RP4000008, NT2RP4000212, NT2RP4000243,
 NT2RP4000417, NT2RP4000878, NT2RP4000907, NT2RP4000925, NT2RP4000928, NT2RP4001079,
 10 NT2RP4001117, NT2RP4001150, NT2RP4001174, NT2RP4001313, NT2RP4001315, NT2RP4001345,
 NT2RP4001372, NT2RP4001574, NT2RP400182 3, NT2RP4001966, NT2RP5003524, OVARC1000060,
 OVARC1000326, OVARC1000543, OVARC10006 82, OVARC1000722, OVARC1000912, OVARC1001055,
 OVARC1001154, OVARC1001261,
 OVARC1001329, OVARC1001419, OVARC1001506, OVARC1001542, OVARC1001610, OVARC1001713 ,
 15 OVARC1001802, OVARC1001943, PLACE1000611, PLACE1001092, PLACE1001136, PLACE100129 4,
 PLACE1002437, PLACE1002500, PLACE1002722, PLACE1002782, PLACE1002816, PLACE10034 20,
 PLACE1003493, PLACE1003596, PLACE1004104, PLACE1004197, PLACE1004203, PLACE1004 277,
 PLACE1004629, PLACE1004751, PLACE1005494, PLACE1005804, PLACE1005890, PLACE100 6157,
 PLACE1007409, PLACE1007852, PLACE1008044, PLACE1008273, PLACE1008309, PLACE10 08603,
 20 PLACE1008643, PLACE1009659, PLACE1009670, PLACE1009845, PLACE1009861, PLACE1 011371,
 PLACE1011492, PLACE1011896, PLACE2000034, PLACE2000341, PLACE2000399, PLACE 2000458,
 PLACE3000020, PLACE3000322, PLACE3000353, PLACE4000052, PLACE4000269, PLAC E4000522,
 PLACE4000581, THYRO1000783, Y79AA1000258, Y79AA1000346, Y79AA1001874,

(2) The following 111 clones were predicted to encode a protein in the category of glycoprotein (including the clones belonging to plural categories).

HEMBA1000752, HEMBA1001017, HEMBA1001059, HEMBA1001071, HEMBA1001302, HEMBA1002150 ,
 HEMBA1002547, HEMBA1002555, HEMBA1003077, HEMBA1003538, HEMBA1003598, HEMBA100386 6,
 HEMBA1004356, HEMBA1005338, HEMBA1005576, HEMBA1005699, HEMBA1006562, HEMBA10069 76,
 30 HEMBA1007301, HEMBB1000317, HEMBB1000530, HEMBB1001119, HEMBB1002092, HEMBB1002 193,
 MAMMA1000672, MAMMA1000897, MAMMA1001030, MAMMA1001388, MAMMA1001771, MAMMA100 2485,
 MAMMA1002636, MAMMA1002938, NT2RM1000648, NT2RM2000374, NT2RM2000407, NT2RM20 00422,
 NT2RM2000623, NT2RM2001499, NT2RM2001588, NT2RM2001839, NT2RM2001930, NT2RM4 000156,
 NT2RM4000233, NT2RM4001410, NT2RM4001987, NT2RM4002145, NT2RM4002189, NT2RM 4002194,
 35 NT2RM4002558, NT2RM4002571, NT2RP1000856, NT2RP1001247, NT2RP2000056, NT2R P2001991,
 NT2RP2002025, NT2RP2002325, NT2RP2002385, NT2RP2003706, NT2RP2005933, NT2 RP3001140,
 NT2RP3003242, NT2RP3003672, NT2RP3003701, NT2RP3003716, NT2RP3003914, NT 2RP3004253,
 NT2RP4000212, NT2RP4000417, NT2RP4000925, NT2RP4001149, NT2RP4001150, N T2RP4001219,
 NT2RP4001345, NT2RP4001372, NT2RP5003522, NT2RP5003524, OVARC1000543, OVARC1000682,
 40 OVARC1000722, OVARC1001055, OVARC1001154, OVARC1001506, OVARC1001713 PLACE1002437,
 PLACE1002722, PLACE1003258, PLACE1003493, PLACE1004197, PLACE100475 1, PLACE1005698,
 PLACE1005804, PLACE1006157, PLACE1006754, PLACE1008643, PLACE10090 94, PLACE1009861,
 PLACE1011371, PLACE2000034, PLACE2000062, PLACE2000399, PLACE2000458, PLACE3000009,
 PLACE3000020, PLACE3000353, PLACE3000373, PLACE4000052, PLACE4000230, PLACE4000522,
 45 PLACE4000581, THYRO1000852, Y79AA1001874,

(3) The following 147 clones were predicted to encode a protein in the category of proteins associated with signal transduction (including the clones belonging to plural categories).

HEMBA1000030, HEMBA1000185, HEMBA1000303, HEMBA1000459, HEMBA1000491, HEMBA1000657,
 50 HEMBA1000991, HEMBA1001174, HEMBA1001387, HEMBA1001822, HEMBA1001921, HEMBA100221 2,
 HEMBA1002341, HEMBA1002417, HEMBA1002810, HEMBA1002896, HEMBA1003291, HEMBA10033 14,
 HEMBA1003560, HEMBA1003615, HEMBA1003621, HEMBA1003805, HEMBA1004286, HEMBA1004 604,
 HEMBA1006173, HEMBA1006540, HEMBA1006973, HEMBA1007174, HEMBB1000632, HEMBB100 0781,
 HEMBB1001051, HEMBB1001177, HEMBB1001234, HEMBB1001294, HEMBB1001384, HEMBB10 02193,
 55 HEMBB1002477, HEMBB1002635, MAMMA1001305, MAMMA1002699, MAMMA1002842, MAMMA1 003057,
 MAMMA1003113, NT2RM1000118, NT2RM1000186, NT2RM1000772, NT2RM1000850, NT2RM 1001072,
 NT2RM2000124, NT2RM2000612, NT2RM2001065, NT2RM2001221, NT2RM2001345, NT2R M2001652,
 NT2RM2001983, NT2RM2002109, NT2RM2002128, NT2RM4000327, NT2RM4000354, NT2 RM4000798,

NT2RM4001203, NT2RM4001411, NT2RM4001412, NT2RM4001582, NT2RM4001629, NT 2RM4001758,
 NT2RM4002226, NT2RP1000018, NT2RP1000112, NT2RP1000701, NT2RP1000825, N T2RP1001395,
 NT2RP1001410, NT2RP1001457, NT2RP1001482, NT2RP2002058, NT2RP2002710, NT2RP2003702,
 NT2RP2003912, NT2RP2004232, NT2RP2004768, NT2RP2005022, NT2RP2005620, NT2RP2005890,
 5 NT2RP3000299, NT2RP3000403, NT2RP3000742, NT2RP3000845, NT2RP300176 4, NT2RP3002004,
 NT2RP3002785, NT2RP3002909, NT2RP3003230, NT2RP3003411, NT2RP30034 64, NT2RP3003800,
 NT2RP3004475, NT2RP3004534, NT2RP4000147, NT2RP4000376,
 NT2RP4001122, NT2RP4001375, NT2RP4001644, NT2RP4001725, NT2RP4001760, NT2RP4001849,
 NT2RP4001927, NT2RP4002408, NT2RP5003477, OVARC1000437, OVARC1000465, OVARC100064 9,
 10 OVARC1000945, OVARC1001476, OVARC1001861, PLACE1001377, PLACE1001384, PLACE10013 87,
 PLACE1002493, PLACE1002591, PLACE1002685, PLACE1003353, PLACE1004128, PLACE1004 918,
 PLACE1005502, PLACE1005739, PLACE1005968, PLACE1006385, PLACE1007238, PLACE100 7375,
 PLACE1007488, PLACE1008244, PLACE1008650, PLACE1009319, PLACE1009468, PLACE10 10083,
 PLACE1010942, PLACE1011041, PLACE1011046, PLACE1011923, PLACE2000164, PLACE3 000145,
 15 PLACE3000350, PLACE3000475, THYRO1001595, Y79AA1000059, Y79AA1000966,

(4) The following 230 clones were predicted to encode a protein in the category of proteins associated with tran-
 scription (including the clones belonging to plural categories).

20 HEMBA1000201, HEMBA1000216, HEMBA1000488, HEMBA1000561, HEMBA1000851, HEMBA1001137,
 HEMBA1001510, HEMBA1001579, HEMBA1001800, HEMBA1001809, HEMBA1001819, HEMBA100184 7,
 HEMBA1002035, HEMBA1002092, HEMBA1002569, HEMBA1002609, HEMBA1003545, HEMBA10035 68,
 HEMBA1003684, HEMBA1003760, HEMBA1003953, HEMBA1004097, HEMBA1004321, HEMBA1004 353,
 HEMBA1004479, HEMBA1004758, HEMBA1005359, HEMBA1005528, HEMBA1005548, HEMBA100 5931,
 HEMBA1006253, HEMBA1006278, HEMBA1006359, HEMBA1006559, HEMBB1000250, HEMBB10 00789,
 25 HEMBB1001011, HEMBB1001314, HEMBB1001482, HEMBB1001908, HEMBB1002134, HEMBB1 002217,
 MAMMA1000155, MAMMA1000183, MAMMA1000388, MAMMA1001633, MAMMA1001820, MAMMA 1001837,
 MAMMA1002650, MAMMA1002937, NT2RM1000055, NT2RM1000666, NT2RM1000691, NT2R M1000894,
 NT2RM1001092, NT2RM2000013, NT2RM2000735, NT2RM2001035, NT2RM2001575, NT2 RM2001605,
 NT2RM2001670, NT2RM2001771, NT2RM2001797, NT2RM2002580, NT2RM4000024, NT 2RM4000104,
 30 NT2RM4000191, NT2RM4000496, NT2RM4000531, NT2RM4000734, NT2RM4000751, N T2RM4000996,
 NT2RM4001140, NT2RM4001200, NT2RM4001483, NT2RM4001592, NT2RM4001746, NT2RM4001783,
 NT2RM4001823, NT2RM4001828, NT2RM4001858, NT2RM4001979, NT2RP1000111, NT2RP1000333,
 NT2RP1000574, NT2RP1000721, NT2RP1000860, NT2RP2000008, NT2RP200013 3, NT2RP2000297,
 NT2RP2000931, NT2RP2001174, NT2RP2001233, NT2RP2002252, NT2RP20025 03, NT2RP2002591,
 35 NT2RP2003125, NT2RP2003228, NT2RP2003293, NT2RP2003564,
 NT2RP2003714, NT2RP2004013, NT2RP2004187, NT2RP2004961, NT2RP2005003, NT2RP2005037,
 NT2RP2005287, NT2RP2005496, NT2RP2005539, NT2RP2005722, NT2RP2006238, NT2RP200646 4,
 NT2RP3000050, NT2RP3000397, NT2RP3000512, NT2RP3000527, NT2RP3000590, NT2RP30006 32,
 NT2RP3001057, NT2RP3001120, NT2RP3001155, NT2RP3001268, NT2RP3001398, NT2RP3001 399,
 40 NT2RP3001671, NT2RP3001672, NT2RP3001688, NT2RP3001712, NT2RP3001792, NT2RP300 1855,
 NT2RP3002165, NT2RP3002377, NT2RP3002399, NT2RP3003157, NT2RP3003193, NT2RP30 03251,
 NT2RP3003327, NT2RP3004258, NT2RP3004566, NT2RP3004572, NT2RP3004594, NT2RP3 004617,
 NT2RP4000078, NT2RP4000210, NT2RP4000398, NT2RP4000449, NT2RP4000787, NT2RP 4000865,
 NT2RP4000997, NT2RP4001029, NT2RP4001213, NT2RP4001433, NT2RP4001529, NT2R P4001551,
 45 NT2RP4001638, NT2RP4001753, NT2RP4001790, NT2RP4001938, NT2RP4002078, OVA RC1000479,
 OVARC1000846, OVARC1001381, OVARC1001555, OVARC1001577, OVARC1001949, PL ACE1000066,
 PLACE1000133, PLACE1000583, PLACE1000596, PLACE1000706, PLACE1001118, P LACE1001238,
 PLACE1001304, PLACE1001602, PLACE1001632, PLACE1002450, PLACE1002532, PLACE1002834,
 PLACE1003302, PLACE1003605, PLACE1003738, PLACE1003885, PLACE1004471, PLACE1004510,
 50 PLACE1004681, PLACE1006414, PLACE1006438, PLACE1006482, PLACE100723 9, PLACE1007346,
 PLACE1007544, PLACE1007598, PLACE1007955, PLACE1007969, PLACE10086 27, PLACE1008941,
 PLACE1009099, PLACE1009246, PLACE1009398, PLACE1010261,
 PLACE1010491, PLACE1010702, PLACE1010771, PLACE1010870, PLACE1011576, PLACE2000072,
 PLACE2000359, PLACE4000128, PLACE4000156, PLACE4000259, PLACE4000431, THYRO100012 1,
 55 THYRO1000242, THYRO1000501, THYRO1000585, THYRO1001100, THYRO1001189, Y79AA10000 37,
 Y79AA1000627, Y79AA1000705, Y79AA1001105, Y79AA1001299, Y79AA1001391, Y79AA1001 533,
 Y79AA1001613, Y79AA1001848, Y79AA1001866, Y79AA1002093, Y79AA1002472, Y79AA100 2482,

(5) The following 436 clones were predicted to encode a protein in the category of proteins associated with diseases (including the clones belonging to plural categories).

5 HEMBA1000158, HEMBA1000216, HEMBA1000523, HEMBA1000561, HEMBA1000569, HEMBA1000673, HEMBA1000972, HEMBA1001017, HEMBA1001019, HEMBA1001059, HEMBA1001071, HEMBA100108 8, HEMBA1001123, HEMBA1001407, HEMBA1001569, HEMBA1001570, HEMBA1001672, HEMBA10020 35, HEMBA1002160, HEMBA1002162, HEMBA1002547, HEMBA1002939, HEMBA1003077, HEMBA1003 418, HEMBA1003433, HEMBA1003538, HEMBA1003555, HEMBA1003568, HEMBA1003569, HEMBA100 3581, HEMBA1003720, HEMBA1003760, HEMBA1004168, HEMBA1004248, HEMBA1004276, HEMBA10 04354, HEMBA1004356, HEMBA1004479, HEMBA1004534, HEMBA1004669, HEMBA1004752, HEMBA1 004753, 10 HEMBA1004807, HEMBA1005293, HEMBA1005331, HEMBA1005359, HEMBA1005367, HEMBA 1005423, HEMBA1005443, HEMBA1005475, HEMBA1005528, HEMBA1005576, HEMBA1005581, HEMB A1005679, HEMBA1005699, HEMBA1005732, HEMBA1005931, HEMBA1006173, HEMBA1006474, HEM BA1006562, HEMBA1006648, HEMBA1006652, HEMBA1006737, HEMBA1006807, HEMBA1006976, HE MBA1007078, HEMBA1007121, HEMBA1007243, HEMBA1007301, HEMBB1000264, HEMBB1000637, H EMBB1000684, 15 HEMBB1000693, HEMBB1000915, HEMBB1000927, HEMBB1001011, HEMBB1001051, HEMBB1001068, HEMBB1001102, HEMBB1001119, HEMBB1001133, HEMBB1001177, HEMBB1001802, HEMBB1001908, HEMBB1001922, HEMBB1001967, HEMBB1002050, HEMBB1002193, HEMBB100221 7, HEMBB1002358, HEMBB1002635, HEMBB1002683, MAMMA1000009, MAMMA1000092, MAMMA10001 03, MAMMA1000173, MAMMA1000731, MAMMA1000897, MAMMA1000956, MAMMA1001021, 20 MAMMA1001041, MAMMA1001105, MAMMA1001198, MAMMA1001305, MAMMA1001576, MAMMA1001633, MAMMA1002140, MAMMA1002170, MAMMA1002198, MAMMA1002268, MAMMA1002352, MAMMA100239 2, MAMMA1002485, MAMMA1002530, MAMMA1002573, MAMMA1002636, MAMMA1002858, MAMMA10028 69, MAMMA1002881, MAMMA1002937, MAMMA1003047, MAMMA1003099, MAMMA1003146, MAMMA1003 166, NT2RM1000035, NT2RM1000153, NT2RM1000257, NT2RM1000318, NT2RM1000377, NT2RM100 0394, 25 NT2RM1000555, NT2RM1000691, NT2RM1000725, NT2RM1000770, NT2RM1000826, NT2RM10 00850, NT2RM1001059, NT2RM1001072, NT2RM1001082, NT2RM1001092, NT2RM2000363, NT2RM2 000374, NT2RM2000594, NT2RM2000599, NT2RM2000714, NT2RM2000740, NT2RM2000821, NT2RM 2001035, NT2RM2001499, NT2RM2001575, NT2RM2001605, NT2RM2001664, NT2RM2001670, NT2R M2001803, 30 NT2RM2001823, NT2RM2001839, NT2RM4000085, NT2RM4000139, NT2RM4000155, NT2 RM4000290, NT2RM4000689, NT2RM4000895, NT2RM4001320, NT2RM4001566, NT2RM4001629, NT 2RM4001741, NT2RM4001819, NT2RM4001823, NT2RM4001865, NT2RM4001940, NT2RM4002093, N T2RM4002146, NT2RM4002161, NT2RM4002189, NT2RM4002457, NT2RM4002558, NT2RM4002571, NT2RP1000086, NT2RP1000376, NT2RP1000574, NT2RP1000581, NT2RP1000629, NT2RP1000721, NT2RP1000733, NT2RP1000738, NT2RP1000825, NT2RP1000833, NT2RP1000860, NT2RP100096 6, NT2RP1001033, 35 NT2RP1001247, NT2RP2000126, NT2RP2000147, NT2RP2000233, NT2RP20002 97, NT2RP2000310, NT2RP2000414, NT2RP2000448, NT2RP2000459, NT2RP2000603, NT2RP2000812, NT2RP2001127, NT2RP2001327, NT2RP2001440, NT2RP2001520, NT2RP2001663, NT2RP2001748, NT2RP2001876, NT2RP2001898, NT2RP2002025, NT2RP2002066, NT2RP200225 9, NT2RP2002312, NT2RP2002503, NT2RP2002618, NT2RP2003228, NT2RP2003293, NT2RP20032 95, 40 NT2RP2003517, NT2RP2003564, NT2RP2003706, NT2RP2003737, NT2RP2003968, NT2RP2004 013, NT2RP2004098, NT2RP2004187, NT2RP2004316, NT2RP2004523, NT2RP2004538, NT2RP200 4933, NT2RP2005144, NT2RP2005288, NT2RP2005289, NT2RP2005325, NT2RP2005358, NT2RP20 05531, NT2RP2005773, NT2RP2006219, NT2RP3000050, NT2RP3000080, NT2RP3000299, NT2RP3 000397, 45 NT2RP3000512, NT2RP3000527, NT2RP3001081, NT2RP3001216, NT2RP3001268, NT2RP 3001355, NT2RP3001427, NT2RP3001428, NT2RP3001497, NT2RP3001554, NT2RP3001724, NT2R P3001764, NT2RP3001799, NT2RP3001855, NT2RP3002045, NT2RP3002151, NT2RP3002351, NT2 RP3002352, NT2RP3002663, NT2RP3002818, NT2RP3002876, NT2RP3002909, NT2RP3002972, NT 2RP3003061, NT2RP3003157, NT2RP3003242, NT2RP3003282, NT2RP3003672, NT2RP3004078, N T2RP3004209, 50 NT2RP3004399, NT2RP3004424, NT2RP3004475, NT2RP3004480, NT2RP3004490, NT2RP3004527, NT2RP3004578, NT2RP4000049, NT2RP4000109, NT2RP4000185, NT2RP4000312, NT2RP4000367, NT2RP4000398, NT2RP4000457, NT2RP4000855, NT2RP4000879, NT2RP400091 5, NT2RP4000928, NT2RP4001095, NT2RP4001150, NT2RP4001213, NT2RP4001483, NT2RP40014 98, NT2RP4001753, NT2RP4001838, OVARC1000014, OVARC1000114, OVARC1000139, 55 OVARC1000241, OVARC1000440, OVARC1000543, OVARC1000722, OVARC1000771, OVARC1000834, OVARC1000850, OVARC1001113, OVARC1001244, OVARC1001296, OVARC1001357, OVARC100137 2, OVARC1001417, OVARC1001496, OVARC1001506, OVARC1001577, OVARC1001668, OVARC10017 13, OVARC1001809, OVARC1001880, OVARC1001901, OVARC1001949, OVARC1002050, PLACE1000 133, PLACE1000142, PLACE1000184, PLACE1000383, PLACE1000406, PLACE1000420, PLACE100 0583,

PLACE1000588, PLACE1000706, PLACE1001384, PLACE1001387, PLACE1001517, PLACE10 01602,
 PLACE1001634, PLACE1001771, PLACE1002046, PLACE1002437, PLACE1002474, PLACE1 002665,
 PLACE1002834, PLACE1003302, PLACE1003493, PLACE1003704, PLACE1003888, PLACE 1003903,
 PLACE1003968, PLACE1004197, PLACE1004358, PLACE1004471, PLACE1004681, PLAC E1004751,
 5 PLACE1004773, PLACE1005101, PLACE1006040, PLACE1006119, PLACE1006170, PLA CE1006187,
 PLACE1006288, PLACE1006414, PLACE1006438, PLACE1006962, PLACE1007239, PL ACE1007257,
 PLACE1007488, PLACE1007511, PLACE1007737, PLACE1008000, PLACE1008402, P LACE1008643,
 PLACE1008696, PLACE1008941, PLACE1009027, PLACE1009200, PLACE1009230, PLACE1009298,
 PLACE1009319, PLACE1009444, PLACE1009524, PLACE1010083, PLACE1010089, PLACE1010599,
 10 PLACE1010833, PLACE1010856, PLACE1011054, PLACE1011057, PLACE101116 5, PLACE1011229,
 PLACE1011263, PLACE1011371, PLACE2000072, PLACE2000399, PLACE20004 38, PLACE2000458,
 PLACE3000004, PLACE3000242, PLACE3000352, PLACE3000353,
 PLACE3000455, PLACE3000475, PLACE4000009, PLACE4000014, PLACE4000052, PLACE4000320 ,
 PLACE4000581, SKNMC1000050, THYRO1000026, THYRO1000173, THYRO1000186, THYRO100032 0,
 15 THYRO1000327, THYRO1000387, THYRO1000471, THYRO1000934, THYRO1001458, THYRO10015 95,
 THYRO1001605, THYRO1001617, THYRO1001671, Y79AA1000037, Y79AA1000469, Y79AA1000 539,
 Y79AA1000560, Y79AA1000734, Y79AA1000985, Y79AA1001105, Y79AA1001391, Y79AA100 1394,
 Y79AA1001548, Y79AA1001613, Y79AA1001874, Y79AA1002258, Y79AA1002416, Y79AA10 02482,

(6) The following 301 clones were predicted to encode a protein in the category of enzyme or proteins associated with metabolism (including the clones belonging to plural categories).

HEMBA1000012, HEMBA1000459, HEMBA1000852, HEMBA1001059, HEMBA1001257, HEMBA1001620 ,
 HEMBA1001714, HEMBA1001744, HEMBA1001896, HEMBA1002003, HEMBA1002212, HEMBA100225 7,
 HEMBA1002513, HEMBA1002973, HEMBA1003046, HEMBA1003136, HEMBA1003179, HEMBA10032 86,
 25 HEMBA1003291, HEMBA1003538, HEMBA1003680, HEMBA1004227, HEMBA1004408, HEMBA1004 734,
 HEMBA1004795, HEMBA1005513, HEMBA1005737, HEMBA1005815, HEMBA1006278, HEMBA100 6347,
 HEMBA1006521, HEMBA1006648, HEMBA1006877, HEMBA1006941, HEMBA1006976, HEMBA10 07121,
 HEMBA1007243, HEMBA1007300, HEMBB1000781, HEMBB1000915, HEMBB1001288, HEMBB1 001429,
 HEMBB1001443, HEMBB1001915, HEMBB1002042, HEMBB1002342, HEMBB1002358, HEMBB 1002635,
 30 HEMBB1002683, MAMMA1000020, MAMMA1000085, MAMMA1000672, MAMMA1000841, MAMM A1001008,
 MAMMA1001139, MAMMA1001476, MAMMA1001501, MAMMA1002268, MAMMA1002530, MAM MA1002619,
 MAMMA1002671, MAMMA1002938, NT2RM1000132, NT2RM1000153, NT2RM1000256, NT 2RM1000280,
 NT2RM1000377, NT2RM1000648, NT2RM1000850, NT2RM1000867, NT2RM1000894, N T2RM1001072,
 35 NT2RM2000013, NT2RM2000124, NT2RM2000191, NT2RM2000368, NT2RM2000371, NT2RM2000577,
 NT2RM2000594, NT2RM2000599, NT2RM2000951, NT2RM2001238, NT2RM2001664 , NT2RM2001700,
 NT2RM2001730, NT2RM2001785, NT2RM2001803, NT2RM2002030, NT2RM400002 4, NT2RM4000155,
 NT2RM4000344, NT2RM4000496, NT2RM4000616, NT2RM4000712, NT2RM40008 95, NT2RM4001313,
 NT2RM4001316, NT2RM4001340, NT2RM4001444, NT2RM4001758,
 40 NT2RM4001819, NT2RM4001930, NT2RM4002062, NT2RM4002063, NT2RM4002409, NT2RM4002558 ,
 NT2RM4002571, NT2RM4002623, NT2RP1000018, NT2RP1000112, NT2RP1000376, NT2RP100060 9,
 NT2RP1000833, NT2RP1000834, NT2RP1001079, NT2RP1001253, NT2RP1001361, NT2RP10015 43,
 NT2RP2000056, NT2RP2000114, NT2RP2000183, NT2RP2000329, NT2RP2000422, NT2RP2000 710,
 NT2RP2000764, NT2RP2000932, NT2RP2001070, NT2RP2001663, NT2RP2001839, NT2RP200 1898,
 45 NT2RP2002256, NT2RP2002312, NT2RP2002442, NT2RP2002595, NT2RP2002618, NT2RP20 02993,
 NT2RP2003230, NT2RP2003286, NT2RP2003506, NT2RP2003643, NT2RP2003706, NT2RP2 003737,
 NT2RP2003781, NT2RP2003912, NT2RP2004232, NT2RP2004239, NT2RP2004768, NT2RP 2004791,
 NT2RP2004799, NT2RP2005038, NT2RP2005276, NT2RP2005344, NT2RP2005457, NT2R P2005498,
 NT2RP2005531, NT2RP2005557, NT2RP2005690, NT2RP2005773, NT2RP2005775, NT2 RP2005942,
 50 NT2RP2006571, NT2RP3000046, NT2RP3000085, NT2RP3000359, NT2RP3000418, NT 2RP3000742,
 NT2RP3000845, NT2RP3000875, NT2RP3001274, NT2RP3001407, NT2RP3001495, N T2RP3002351,
 NT2RP3002402, NT2RP3002969, NT2RP3003301, NT2RP3003346, NT2RP3003500, NT2RP3003800,
 NT2RP3003825, NT2RP3003831, NT2RP3003914, NT2RP3004155, NT2RP3004209 NT2RP3004669,
 NT2RP3004670, NT2RP4000259, NT2RP4000417, NT2RP4000457, NT2RP400072 4, NT2RP4000855,
 NT2RP4000928, NT2RP4000997, NT2RP4001041, NT2RP4001079, NT2RP40010 95, NT2RP4001219,
 55 NT2RP4001345, NT2RP4001375, NT2RP4001483, NT2RP4001592,
 NT2RP4001644, NT2RP4001893, NT2RP4001946, NT2RP4002408, NT2RP5003500, NT2RP5003522 ,
 OVARC1000060, OVARC1000139, OVARC1000309, OVARC1000543, OVARC1000682, OVARC100072 2,
 OVARC1000885, OVARC1001261, OVARC1001610, OVARC1001713, OVARC1001762, OVARC10018 09,

OVARC1001942, PLACE1000007, PLACE1000142, PLACE1000420, PLACE1000547, PLACE1000 653,
 PLACE1001062, PLACE1001603, PLACE1001692, PLACE1001817, PLACE1001989, PLACE100 2991,
 PLACE1003100, PLACE1003709, PLACE1003885, PLACE1003888, PLACE1003903, PLACE10 03915,
 PLACE1003968, PLACE1004428, PLACE1004437, PLACE1004751, PLACE1005305, PLACE1 005477,
 PLACE1005656, PLACE1005763, PLACE1005804, PLACE1006011, PLACE1016469, PLACE 1006731,
 PLACE1007729, PLACE1007958, PLACE1008275, PLACE1008356, PLACE1008696, PLAC E1009444,
 PLACE1009861, PLACE1009997, PLACE1010089, PLACE1010096, PLACE1010106, PLA CE1010152,
 PLACE1010481, PLACE1011046, PLACE1011203, PLACE1011219, PLACE1011229, PL ACE1011332,
 PLACE1011923, PLACE2000021, PLACE2000140, PLACE2000404, PLACE2000411, P LACE3000020,
 PLACE3000148, PLACE3000156, PLACE3000350, PLACE3000353, PLACE4000259, PLACE4000431,
 PLACE4000558, PLACE4000590, SKNMC1000050, THYRO1000017, THYRO1000197, THYRO1000320,
 THYRO1000358, THYRO1000471, THYRO1000926, THYRO1000934, THYRO100095 1, THYRO1001406,
 THYRO1001617, THYRO1001671, Y79AA1001048, Y79AA1001233, Y79AA10015 81, Y79AA1001679,
 Y79AA1001827, Y79AA1002027, Y79AA1002209, Y79AA1002361, Y79AA1002 416,

(7) The following 74 clones were predicted to encode a protein in the category of proteins associated with cell division or cell proliferation (including the clones belonging to plural categories).

HEMBA1001019, HEMBA1001595, HEMBA1002229, HEMBA1002363, HEMBA1003136, HEMBA1003836 ,
 HEMBA1004131, HEMBA1005241, HEMBB1000399, HEMBB1001175, HEMBB1001242, MAMMA100182 0,
 MAMMA1003011, NT2RM1000394, NT2RM2001256, NT2RM4000215, NT2RM4001611, NT2RM40017 14,
 NT2RP1000733, NT2RP1001177, NT2RP2000077, NT2RP2000346, NT2RP2001397, NT2RP2003 912,
 NT2RP2005520, NT2RP2005675, NT2RP2005767, NT2RP2005857, NT2RP2006464, NT2RP300 0031,
 NT2RP3001155, NT2RP3001730, NT2RP3002151, NT2RP3002273, NT2RP3002399, NT2RP30 04507,
 NT2RP3004578, NT2RP3004594, NT2RP4000210, NT2RP4000498, NT2RP4001207, NT2RP4 001414,
 NT2RP4001551, OVARC1000006, OVARC1000087, OVARC1000113, OVARC1000846, OVARC 1000876,
 OVARC1001068, OVARC1001107, OVARC1001113, OVARC1002112, PLACE1000547, PLAC E1001611,
 PLACE1001691, PLACE1002775, PLACE1002811, PLACE1003709, PLACE1004316, PLA CE1004674,
 PLACE1004814, PLACE1005287, PLACE1006187, PLACE1006368, PLACE1008808, PL ACE1008947,
 PLACE1009060, PLACE1010720, PLACE1010761, PLACE1010833, PLACE1011056, P LACE3000244,
 Y79AA1000214, Y79AA1001236,

(8) The following 92 clones were predicted to encode a protein in the category of proteins associated with cytoskel-
 eton (including the clones belonging to plural categories).

HEMBA1000020, HEMBA1000588, HEMBA1001804, HEMBA1002102, HEMBA1002161, HEMBA1002939 ,
 HEMBA1003235, HEMBA1003581, HEMBA1004534, HEMBA1005009, HEMBA1005595, HEMBA100627 2,
 HEMBA1006737, HEMBA1007018, HEMBB1000404, HEMBB1001282, MAMMA1000173, MAMMA10004 29,
 MAMMA1001041, MAMMA1001576, MAMMA1001735, MAMMA1002622, MAMMA1002637, MAMMA1003 099,
 MAMMA1003127, NT2RM1000898, NT2RM1001003, NT2RM1001139, NT2RM2000691, NT2RM400 0030,
 NT2RM4000167, NT2RM4000689, NT2RM4001741, NT2RM4001776, NT2RM4002109, NT2RP10 00348,
 NT2RP1000460, NT2RP1000478, NT2RP1001033, NT2RP2000812, NT2RP2001634, NT2RP2 001900,
 NT2RP2002727, NT2RP2003307, NT2RP2003604, NT2RP2004538, NT2RP2005531, NT2RP 3000868,
 NT2RP3001216, NT2RP3001272, NT2RP3002688, NT2RP3003061, NT2RP3003138, NT2R P3003230,
 NT2RP3003282, NT2RP3004454, NT2RP3004569, NT2RP4001126, NT2RP4001927, OVA RC1000437,
 OVARC1000520, OVARC1000679, OVARC1001731, OVARC1002050, PLACE1002571, PL ACE1002591,
 PLACE1002655, PLACE1003669, PLACE1004777, PLACE1005287, PLACE1006368, P LACE1007105,
 PLACE1010310, PLACE1010743, PLACE1010960, PLACE1011263, PLACE2000039, PLACE2000216,
 PLACE2000274, PLACE3000145, PLACE3000322, PLACE4000009, PLACE4000612, THYRO1000072,
 THYRO1000666, THYRO1001121, THYRO1001458, Y79AA1000368, Y79AA100083 3, Y79AA1000962,
 Y79AA1000985, Y79AA1002208,

(9) The following 280 clones were predicted to encode a protein in the category of proteins associated with RNA
 synthesis (including the clones belonging to plural categories).

HEMBA1000201, HEMBA1000216, HEMBA1000488, HEMBA1000561, HEMBA1000591, HEMBA1000851 ,
 HEMBA1001137, HEMBA1001510, HEMBA1001579, HEMBA1001800, HEMBA1001809, HEMBA100181 9,
 HEMBA1001847, HEMBA1002035, HEMBA1002092, HEMBA1002569, HEMBA1002609, HEMBA10034 18,
 HEMBA1003545, HEMBA1003568, HEMBA1003684, HEMBA1003760, HEMBA1003953, HEMBA1004 097,
 HEMBA1004321, HEMBA1004353, HEMBA1004479, HEMBA1004669, HEMBA1004758, HEMBA100 5359,
 HEMBA1005528, HEMBA1005548, HEMBA1005931, HEMBA1006253, HEMBA1006278, HEMBA10 06359,

HEMBA1006559, HEMBA1006639, HEMBB1000250, HEMBB1000789, HEMBB1001011, HEMBB1 001314,
 HEMBB1001482, HEMBB1001908, HEMBB1002134, HEMBB1002217, MAMMA1000155, MAMMA 1000183,
 MAMMA1000388, MAMMA1001059, MAMMA1001633, MAMMA1001820, MAMMA1001837, MAMMA 1002650,
 MAMMA1002937, NT2RM1000055, NT2RM1000187, NT2RM1000666, NT2RM1000691, NT2 RM1000852,
 5 NT2RM1000894, NT2RM1001092, NT2RM2000013, NT2RM2000735, NT2RM2001035, NT 2RM2001424,
 NT2RM2001575, NT2RM2001605, NT2RM2001670, NT2RM2001771, NT2RM2001797, N T2RM2001989,
 NT2RM2002100, NT2RM2002580, NT2RM4000024, NT2RM4000104, NT2RM4000191, NT2RM4000421,
 NT2RM4000471, NT2RM4000496, NT2RM4000531, NT2RM4000734, NT2RM4000751, NT2RM4000996,
 NT2RM4001140, NT2RM4001200, NT2RM4001483, NT2RM4001592, NT2RM400174 6, NT2RM4001783,
 10 NT2RM4001823, NT2RM4001828, NT2RM4001858, NT2RM4001979, NT2RM40020 93, NT2RM4002479,
 NT2RP1000111, NT2RP1000272, NT2RP1000333, NT2RP1000470,
 NT2RP1000574, NT2RP1000721, NT2RP1000860, NT2RP1001080, NT2RP2000008, NT2RP2000133 ,
 NT2RP2000161, NT2RP2000297, NT2RP2000931, NT2RP2001174, NT2RP2001233, NT2RP200144 9,
 NT2RP2002099, NT2RP2002252, NT2RP2002503, NT2RP2002591, NT2RP2002928, NT2RP20031 25,
 15 NT2RP2003228, NT2RP2003293, NT2RP2003564, NT2RP2003714, NT2RP2004013, NT2RP2004 187,
 NT2RP2004568, NT2RP2004961, NT2RP2005003, NT2RP2005037, NT2RP2005126, NT2RP200 5168,
 NT2RP2005239, NT2RP2005287, NT2RP2005496, NT2RP2005539, NT2RP2005722, NT2RP20 05763,
 NT2RP2005942, NT2RP2006238, NT2RP2006464, NT2RP3000050, NT2RP3000361, NT2RP3 000397,
 NT2RP3000512, NT2RP3000527, NT2RP3000590, NT2RP3000632, NT2RP3000917, NT2RP 3001057,
 20 NT2RP3001120, NT2RP3001155, NT2RP3001268, NT2RP3001398, NT2RP3001399, NT2R P3001671,
 NT2RP3001672, NT2RP3001688, NT2RP3001712, NT2RP3001792, NT2RP3001855, NT2 RP3002165,
 NT2RP3002377, NT2RP3002399, NT2RP3003157, NT2RP3003193, NT2RP3003251, NT 2RP3003327,
 NT2RP3004013, NT2RP3004258, NT2RP3004504, NT2RP3004566, NT2RP3004572, N T2RP3004594,
 NT2RP3004617, NT2RP4000078, NT2RP4000111, NT2RP4000210, NT2RP4000398, NT2RP4000449,
 25 NT2RP4000518, NT2RP4000614, NT2RP4000787, NT2RP4000865, NT2RP4000997 , NT2RP4001029,
 NT2RP4001080, NT2RP4001148, NT2RP4001213, NT2RP4001433, NT2RP400152 9, NT2RP4001551,
 NT2RP4001638, NT2RP4001753, NT2RP4001790, NT2RP4001938, NT2RP40020 78, OVARC1000479,
 OVARC1000846, OVARC1001381, OVARC1001555, OVARC1001577,
 OVARC1001949, PLACE1000066, PLACE1000133, PLACE1000583, PLACE1000596, PLACE1000706 ,
 30 PLACE1001118, PLACE1001238, PLACE1001304, PLACE1001602, PLACE1001632, PLACE100245 0,
 PLACE1002532, PLACE1002834, PLACE1003190, PLACE1003302, PLACE1003605, PLACE10037 04,
 PLACE1003738, PLACE1003885, PLACE1004471, PLACE1004510, PLACE1004564, PLACE1004 681,
 PLACE1004902, PLACE1005646, PLACE1005876, PLACE1006196, PLACE1006414, PLACE100 6438,
 PLACE1006482, PLACE1007239, PLACE1007346, PLACE1007544, PLACE1007598, PLACE10 07955,
 35 PLACE1007969, PLACE1008627, PLACE1008941, PLACE1009099, PLACE1009246, PLACE1 009398,
 PLACE1010053, PLACE1010194, PLACE1010261, PLACE1010491, PLACE1010580, PLACE 1010702,
 PLACE1010771, PLACE1010870, PLACE1011576, PLACE2000072, PLACE2000359, PLAC E4000128,
 PLACE4000156, PLACE4000259, PLACE4000431, THYRO1000121, THYRO1000242, THY RO1000501,
 THYRO1000585, THYRO1001100, THYRO1001189, Y79AA1000037, Y79AA1000349, Y7 9AA1000539,
 40 Y79AA1000627, Y79AA1000705, Y79AA1000752, Y79AA1001105, Y79AA1001299, Y 79AA1001391,
 Y79AA1001533, Y79AA1001613, Y79AA1001848, Y79AA1001866, Y79AA1001963, Y79AA1002093,
 Y79AA1002472, Y79AA1002482,

(10) The following 352 clones were predicted to encode a protein in the category of nuclear protein (including the clones belonging to plural categories).

HEMBA1000005, HEMBA1000201, HEMBA1000216, HEMBA1000488, HEMBA1000561, HEMBA1000827 ,
 HEMBA1000851, HEMBA1001088, HEMBA1001137, HEMBA1001476, HEMBA1001510, HEMBA100157 9,
 HEMBA1001800, HEMBA1001809, HEMBA1001819, HEMBA1001847, HEMBA1002035, HEMBA10020 92,
 HEMBA1002363, HEMBA1002495, HEMBA1002569, HEMBA1002609, HEMBA1002999, HEMBA1003 148,
 50 HEMBA1003418, HEMBA1003545, HEMBA1003568, HEMBA1003684, HEMBA1003760, HEMBA100 3783,
 HEMBA1003953, HEMBA1004097, HEMBA1004321, HEMBA1004353, HEMBA1004479, HEMBA100 04669,
 HEMBA1004758, HEMBA1005359, HEMBA1005475, HEMBA1005528, HEMBA1005548, HEMBA1 005931,
 HEMBA1006253, HEMBA1006278, HEMBA1006359, HEMBA1006474, HEMBA1006559, HEMBA 1006914,
 HEMBB1000250, HEMBB1000399, HEMBB1000789, HEMBB1001011, HEMBB1001314, HEMB B1001482,
 55 HEMBB1001908, HEMBB1001915, HEMBB1002134, HEMBB1002217, MAMMA1000155, MAM MA1000183,
 MAMMA1000388, MAMMA1000731, MAMMA1001633, MAMMA1001820, MAMMA1001837, MA MMA1002650,
 MAMMA1002869, MAMMA1002937, MAMMA1003011, NT2RM1000055, NT2RM1000187, N T2RM1000257,
 NT2RM1000394, NT2RM1000666, NT2RM1000691, NT2RM1000852, NT2RM1000894, NT2RM1001092,

NT2RM2000013, NT2RM2000735, NT2RM2001035, NT2RM2001575, NT2RM2001605, NT2RM2001635, NT2RM2001670, NT2RM2001771, NT2RM2001797, NT2RM2001823, NT2RM200193 6, NT2RM2001989, NT2RM2002100, NT2RM2002580, NT2RM4000024, NT2RM4000085, NT2RM40001 04, NT2RM4000191, NT2RM4000215, NT2RM4000290, NT2RM4000421, NT2RM4000496,

5 NT2RM4000531, NT2RM4000734, NT2RM4000751, NT2RM4000996, NT2RM4001140, NT2RM4001200, NT2RM4001217, NT2RM4001382, NT2RM4001483, NT2RM4001592, NT2RM4001605, NT2RM400161 1, NT2RM4001746, NT2RM4001783, NT2RM4001823, NT2RM4001828, NT2RM4001858, NT2RM40019 79, NT2RM4002093, NT2RM4002146, NT2RM4002527, NT2RP1000035, NT2RP1000111, NT2RP1000 333, NT2RP1000493, NT2RP1000574, NT2RP1000721, NT2RP1000860, NT2RP1000966, NT2RP100 1177,

10 NT2RP2000008, NT2RP2000126, NT2RP2000133, NT2RP2000161, NT2RP2000297, NT2RP20 00414, NT2RP2000931, NT2RP2001174, NT2RP2001233, NT2RP2001420, NT2RP2001449, NT2RP2 001536, NT2RP2001762, NT2RP2002185, NT2RP2002252, NT2RP2002259, NT2RP2002503, NT2RP 2002504, NT2RP2002591, NT2RP2002993, NT2RP2003125, NT2RP2003228, NT2RP2003277, NT2R P2003286, NT2RP2003293, NT2RP2003308, NT2RP2003564, NT2RP2003714, NT2RP2004013, NT2 RP2004187,

15 NT2RP2004961, NT2RP2005003, NT2RP2005037, NT2RP2005287, NT2RP2005496, NT 2RP2005520, NT2RP2005539, NT2RP2005722, NT2RP2005767, NT2RP2005857, NT2RP2005942, N T2RP2006238, NT2RP2006464, NT2RP3000031, NT2RP3000050, NT2RP3000361, NT2RP3000397, NT2RP3000512, NT2RP3000527, NT2RP1000590, NT2RP3000603, NT2RP3000632, NT2RP3000917, NT2RP3001057, NT2RP3001120, NT2RP3001155, NT2RP3001268, NT2RP3001274, NT2RP300139 8, NT2RP3001399,

20 NT2RP3001427, NT2RP3001428, NT2RP3001587, NT2RP3001671, NT2RP30016 72, NT2RP3001688, NT2RP3001712, NT2RP3001724, NT2RP3001792, NT2RP3001855, NT2RP3002056, NT2RP3002165, NT2RP3002377, NT2RP3002399, NT2RP3003157, NT2RP3003193, NT2RP3003212, NT2RP3003251, NT2RP3003327, NT2RP3004206, NT2RP3004209, NT2RP300425 8, NT2RP3004566, NT2RP3004572, NT2RP3004594, NT2RP3004617, NT2RP4000078, NT2RP40001 11,

25 NT2RP4000150, NT2RP4000210, NT2RP4000398, NT2RP4000449, NT2RP4000457, NT2RP4000 518, NT2RP4000787, NT2RP4000865, NT2RP4000997, NT2RP4001029, NT2RP4001080, NT2RP400 1148, NT2RP4001207, NT2RP4001213, NT2RP4001433, NT2RP4001529, NT2RP4001551, NT2RP40 01638, NT2RP4001753, NT2RP4001790, NT2RP4001938, NT2RP4002078, OVARC1000006, OVARC1 000087, OVARC1000139, OVARC1000326, OVARC1000440, OVARC1000479, OVARC1000846, OVARC 1000883,

30 OVARC1001180, OVARC1001244, OVARC1001381, OVARC1001555, OVARC1001577, OVAR C1001702, OVARC1001949, OVARC1002112, PLACE1000066, PLACE1000133, PLACE1000406, PLA CE1000583, PLACE1000596, PLACE1000706, PLACE1001118, PLACE1001238, PLACE1001304, PL ACE1001602, PLACE1001611, PLACE1001632, PLACE1002450, PLACE1002532, PLACE1002834, P LACE1003100, PLACE1003190, PLACE1003302, PLACE1003605, PLACE1003704, PLACE1003738, PLACE1003885,

35 PLACE1004471, PLACE1004510, PLACE1004564, PLACE1004681, PLACE1004902, PLACE1005287, PLACE1005876, PLACE1006011, PLACE1006119, PLACE1006414, PLACE100643 8, PLACE1006482, PLACE1007239, PLACE1007346, PLACE1007544, PLACE1007598, PLACE10079 55, PLACE1007969, PLACE1008044, PLACE1008177, PLACE1008603, PLACE1008627, PLACE1008941, PLACE1008947, PLACE1009099, PLACE1009113, PLACE1009246, PLACE1009398, PLACE1010152, PLACE1010194, PLACE1010261, PLACE1010491, PLACE1010702, PLACE101072 0, PLACE1010771, PLACE1010870, PLACE1011056, PLACE1011229, PLACE1011576, PLACE10116 64, PLACE2000072, PLACE2000359, PLACE2000411, PLACE4000014, PLACE4000128, PLACE4000 156, PLACE4000259, PLACE4000261, PLACE4000431, THYRO1000121, THYRO1000242, THYRO100 0501, THYRO1000585, THYRO1001100, THYRO1001189, Y79AA1000037, Y79AA1000214, Y79AA10 00539, Y79AA1000589, Y79AA1000627, Y79AA1000705, Y79AA1000752, Y79AA1000784, Y79AA1 001105, Y79AA1001299, Y79AA1001391, Y79AA1001533, Y79AA1001613, Y79AA1001848, Y79AA 1001866, Y79AA1001963, Y79AA1002093, Y79AA1002472, Y79AA1002482,

(11) The following 111 clones were predicted to encode a protein in the category of proteins associated with protein synthesis or transport (including the clones belonging to plural categories).

HEMBA1000012, HEMBA1000542, HEMBA1001913, HEMBA1003773, HEMBA1004202, HEMBA1004356, HEMBA1004847, HEMBA1005047, HEMBA1005202, HEMBA1005963, HEMBA1006310, HEMBA100665 2, HEMBA1006914, HEMBB1000217, HEMBB1000725, HEMBB1001346, HEMBB1001831, MAMMA10000 85, MAMMA1000734, MAMMA1002170, MAMMA1002236, MAMMA1002598, NT2RM1000661, NT2RM2000 504, NT2RM2000577, NT2RM2001131, NT2RM4000155, NT2RM4001444, NT2RM4002062, NT2RM400 2205, NT2RM4002623, NT2RP1000326, NT2RP1000947, NT2RP1001569, NT2RP2000710, NT2RP20 00880, NT2RP2001290, NT2RP2001511, NT2RP2001660, NT2RP2002185, NT2RP2002606, NT2RP2 002959, NT2RP2002980, NT2RP2003158, NT2RP2003760, NT2RP2004194, NT2RP2004791, NT2RP 2005012,

NT2RP2005116, NT2RP2005204, NT2RP2006565, NT2RP2006598, NT2RP3000047, NT2R P3000366,
 NT2RP3000759, NT2RP3000968, NT2RP3001587, NT2RP3002529, NT2RP3003385, NT2 RP3003589,
 NT2RP3003876, NT2RP3004618, NT2RP4000370, NT2RP4000524, NT2RP4000528, NT 2RP4001041,
 NT2RP4001574, NT2RP4001592, NT2RP4002047, OVARC1000004, OVARC1000771, O VARC1000862,
 5 OVARC1001180, OVARC1001342, OVARC1001766, OVARC1002138, PLACE1000061, PLACE1000492,
 PLACE1000863, PLACE1001748, PLACE1002090, PLACE1003394, PLACE1003915, PLACE1004149,
 PLACE1004743, PLACE1005557, PLACE1005813, PLACE1006488, PLACE100653 1, PLACE1006615,
 PLACE1007706, PLACE1008273, PLACE1008790, PLACE1008813, PLACE10097 21, PLACE1009763,
 PLACE1009845, PLACE1010074, PLACE1011109, PLACE1011477,
 10 PLACE2000404, PLACE3000059, PLACE3000121, PLACE4000558, PLACE4000654, SKNMC1000011 ,
 THYRO1000288, THYRO1000974, Y79AA1000346, Y79AA1000968, Y79AA1002209,

(12) The following 23 clones were predicted to encode a protein in the category of proteins associated with cellular defense (including the clones belonging to plural categories).

15 HEMBA1000005, HEMBA1000531, HEMBB1000217, HEMBB1000399, MAMMA1000734, NT2RP1000493 ,
 NT2RP1000493, NT2RP2000006, NT2RP2000045, NT2RP2001536, NT2RP2005204, NT2RP300059 0,
 NT2RP3001426, NT2RP3002056, NT2RP3004262, NT2RP4001638, OVARC1001900, PLACE10056 11,
 PLACE1006958, PLACE1008275, PLACE1009113, PLACE4000014, Y79AA1002139,

20 (13) The following 23 clones were predicted to encode a protein in the category of proteins associated with devel-
 opment or growth (including the clones belonging to plural categories).

25 HEMBB1001802, HEMBB1002442, NT2RM2002142, NT2RM4001047, NT2RP2003308, NT2RP2004816 ,
 NT2RP3000994, NT2RP3001340, NT2RP3004206, NT2RP3004472, NT2RP4000246, NT2RP400100 6,
 OVARC1000304, OVARC1000746, OVARC1000996, PLACE1006037, PLACE1009622, PLACE10116 64,
 Y79AA1001692,

Table 9

Selected clones having the maximal ATGpr1 score of 0.3 or higher (3690 clones).

clone name	name of sequence	maximal ATGpr1 score
HEMBA1000005	F-HEMBA1000005	0.84
HEMBA1000012	F-HEMBA1000012	0.56
HEMBA1000020	F-HEMBA1000020	0.94
HEMBA1000030	F-HEMBA1000030	0.44
HEMBA1000046	F-HEMBA1000046	0.50
HEMBA1000050	F-HEMBA1000050	0.94
HEMBA1000076	F-HEMBA1000076	0.48
HEMBA1000129	F-HEMBA1000129	0.74
HEMBA1000141	F-HEMBA1000141	0.55
HEMBA1000150	F-HEMBA1000150	0.72
HEMBA1000156	F-HEMBA1000156	0.94
HEMBA1000158	F-HEMBA1000158	0.62
HEMBA1000168	F-HEMBA1000168	0.94
HEMBA1000185	F-HEMBA1000185	0.86
HEMBA1000193	F-HEMBA1000193	0.94

	HEMBA1000201	F-HEMBA1000201	0.83
	HEMBA1000216	F-HEMBA1000216	0.32
	HEMBA1000227	F-HEMBA1000227	0.72
5	HEMBA1000231	F-HEMBA1000231	0.34
	HEMBA1000244	F-HEMBA1000244	0.51
	HEMBA1000288	F-HEMBA1000288	0.36
	HEMBA1000290	F-HEMBA1000290	0.45
10	HEMBA1000302	F-HEMBA1000302	0.71
	HEMBA1000303	F-HEMBA1000303	0.42
	HEMBA1000304	F-HEMBA1000304	0.45
	HEMBA1000307	F-HEMBA1000307	0.48
15	HEMBA1000327	F-HEMBA1000327	0.94
	HEMBA1000356	F-HEMBA1000356	0.90
	HEMBA1000369	F-HEMBA1000369	0.94
	HEMBA1000387	F-HEMBA1000387	0.66
20	HEMBA1000392	F-HEMBA1000392	0.60
	HEMBA1000396	F-HEMBA1000396	0.81
	HEMBA1000456	F-HEMBA1000456	0.90
	HEMBA1000460	F-HEMBA1000460	0.31
25	HEMBA1000488	F-HEMBA1000488	0.47
	HEMBA1000490	F-HEMBA1000490	0.89
	HEMBA1000491	F-HEMBA1000491	0.94
	HEMBA1000501	F-HEMBA1000501	0.67
30	HEMBA1000505	F-HEMBA1000505	0.65
	HEMBA1000508	F-HEMBA1000508	0.39
	HEMBA1000520	F-HEMBA1000520	0.94
	HEMBA1000523	F-HEMBA1000523	0.86
35	HEMBA1000531	F-HEMBA1000531	0.49
	HEMBA1000534	F-HEMBA1000534	0.52
	HEMBA1000542	F-HEMBA1000542	0.81
	HEMBA1000555	F-HEMBA1000555	0.67
	HEMBA1000561	F-HEMBA1000561	0.34
40	HEMBA1000568	F-HEMBA1000568	0.66
	HEMBA1000588	F-HEMBA1000588	0.79
	HEMBA1000591	F-HEMBA1000591	0.92
	HEMBA1000592	F-HEMBA1000592	0.73
45	HEMBA1000594	F-HEMBA1000594	0.89
	HEMBA1000608	F-HEMBA1000608	0.94
	HEMBA1000636	F-HEMBA1000636	0.94
	HEMBA1000637	F-HEMBA1000637	0.92
50	HEMBA1000657	F-HEMBA1000657	0.85
	HEMBA1000682	F-HEMBA1000682	0.94
	HEMBA1000686	F-HEMBA1000686	0.90
	HEMBA1000719	F-HEMBA1000719	0.94
55	HEMBA1000727	F-HEMBA1000727	0.40
	HEMBA1000752	F-HEMBA1000752	0.31

	HEMBA1000817	F-HEMBA1000817	0.94
	HEMBA1000851	F-HEMBA1000851	0.63
5	HEMBA1000867	F-HEMBA1000867	0.68
	HEMBA1000869	F-HEMBA1000869	0.82
	HEMBA1000872	F-HEMBA1000872	0.54
	HEMBA1000910	F-HEMBA1000910	0.91
	HEMBA1000918	F-HEMBA1000918	0.38
10	HEMBA1000919	F-HEMBA1000919	0.83
	HEMBA1000942	F-HEMBA1000942	0.31
	HEMBA1000946	F-HEMBA1000946	0.75
	HEMBA1000968	F-HEMBA1000968	0.39
15	HEMBA1000971	F-HEMBA1000971	0.74
	HEMBA1000975	F-HEMBA1000975	0.46
	HEMBA1000986	F-HEMBA1000986	0.89
	HEMBA1001008	F-HEMBA1001008	0.47
20	HEMBA1001009	F-HEMBA1001009	0.86
	HEMBA1001022	F-HEMBA1001022	0.57
	HEMBA1001043	F-HEMBA1001043	0.79
	HEMBA1001052	F-HEMBA1001052	0.83
25	HEMBA1001059	F-HEMBA1001059	0.78
	HEMBA1001080	F-HEMBA1001080	0.77
	HEMBA1001085	F-HEMBA1001085	0.92
	HEMBA1001088	F-HEMBA1001088	0.94
30	HEMBA1001109	F-HEMBA1001109	0.50
	HEMBA1001122	F-HEMBA1001122	0.74
	HEMBA1001133	F-HEMBA1001133	0.45
	HEMBA1001137	F-HEMBA1001137	0.37
35	HEMBA1001140	F-HEMBA1001140	0.43
	HEMBA1001174	F-HEMBA1001174	0.44
	HEMBA1001197	F-HEMBA1001197	0.65
	HEMBA1001213	F-HEMBA1001213	0.61
	HEMBA1001235	F-HEMBA1001235	0.94
40	HEMBA1001247	F-HEMBA1001247	0.31
	HEMBA1001257	F-HEMBA1001257	0.92
	HEMBA1001281	F-HEMBA1001281	0.94
	HEMBA1001286	F-HEMBA1001286	0.49
45	HEMBA1001289	F-HEMBA1001289	0.94
	HEMBA1001302	F-HEMBA1001302	0.62
	HEMBA1001303	F-HEMBA1001303	0.79
	HEMBA1001310	F-HEMBA1001310	0.66
50	HEMBA1001326	F-HEMBA1001326	0.59
	HEMBA1001351	F-HEMBA1001351	0.65
	HEMBA1001361	F-HEMBA1001361	0.94
	HEMBA1001377	F-HEMBA1001377	0.87
55	HEMBA1001387	F-HEMBA1001387	0.94
	HEMBA1001388	F-HEMBA1001388	0.57

	HEMBA1001398	F-HEMBA1001398	0.74
	HEMBA1001405	F-HEMBA1001405	0.61
5	HEMBA1001407	F-HEMBA1001407	0.43
	HEMBA1001413	F-HEMBA1001413	0.40
	HEMBA1001415	F-HEMBA1001415	0.94
	HEMBA1001446	F-HEMBA1001446	0.90
10	HEMBA1001450	F-HEMBA1001450	0.40
	HEMBA1001455	F-HEMBA1001455	0.73
	HEMBA1001476	F-HEMBA1001476	0.65
	HEMBA1001497	F-HEMBA1001497	0.48
	HEMBA1001510	F-HEMBA1001510	0.36
15	HEMBA1001526	F-HEMBA1001526	0.66
	HEMBA1001533	F-HEMBA1001533	0.46
	HEMBA1001569	F-HEMBA1001569	0.73
	HEMBA1001570	F-HEMBA1001570	0.53
20	HEMBA1001579	F-HEMBA1001579	0.82
	HEMBA1001581	F-HEMBA1001581	0.80
	HEMBA1001595	F-HEMBA1001595	0.72
	HEMBA1001620	F-HEMBA1001620	0.94
25	HEMBA1001635	F-HEMBA1001635	0.87
	HEMBA1001640	F-HEMBA1001640	0.82
	HEMBA1001647	F-HEMBA1001647	0.91
	HEMBA1001655	F-HEMBA1001655	0.39
30	HEMBA1001661	F-HEMBA1001661	0.86
	HEMBA1001672	F-HEMBA1001672	0.94
	HEMBA1001702	F-HEMBA1001702	0.72
	HEMBA1001711	F-HEMBA1001711	0.74
	HEMBA1001714	F-HEMBA1001714	0.89
35	HEMBA1001723	F-HEMBA1001723	0.94
	HEMBA1001731	F-HEMBA1001731	0.37
	HEMBA1001744	F-HEMBA1001744	0.31
	HEMBA1001746	F-HEMBA1001746	0.39
40	HEMBA1001781	F-HEMBA1001781	0.67
	HEMBA1001800	F-HEMBA1001800	0.69
	HEMBA1001804	F-HEMBA1001804	0.85
	HEMBA1001809	F-HEMBA1001809	0.78
45	HEMBA1001815	F-HEMBA1001815	0.49
	HEMBA1001819	F-HEMBA1001819	0.90
	HEMBA1001822	F-HEMBA1001822	0.80
	HEMBA1001824	F-HEMBA1001824	0.68
50	HEMBA1001847	F-HEMBA1001847	0.46
	HEMBA1001864	F-HEMBA1001864	0.34
	HEMBA1001866	F-HEMBA1001866	0.53
	HEMBA1001869	F-HEMBA1001869	0.69
55	HEMBA1001896	F-HEMBA1001896	0.48
	HEMBA1001910	F-HEMBA1001910	0.84

	HEMBA1001912	F-HEMBA1001912	0.48
	HEMBA1001913	F-HEMBA1001913	0.94
5	HEMBA1001915	F-HEMBA1001915	0.41
	HEMBA1001921	F-HEMBA1001921	0.94
	HEMBA1001939	F-HEMBA1001939	0.87
	HEMBA1001950	F-HEMBA1001950	0.36
10	HEMBA1001967	F-HEMBA1001967	0.94
	HEMBA1001987	F-HEMBA1001987	0.41
	HEMBA1002018	F-HEMBA1002018	0.41
	HEMBA1002035	F-HEMBA1002035	0.36
	HEMBA1002049	F-HEMBA1002049	0.39
15	HEMBA1002084	F-HEMBA1002084	0.45
	HEMBA1002092	F-HEMBA1002092	0.94
	HEMBA1002102	F-HEMBA1002102	0.94
	HEMBA1002119	F-HEMBA1002119	0.60
20	HEMBA1002125	F-HEMBA1002125	0.88
	HEMBA1002150	F-HEMBA1002150	0.31
	HEMBA1002151	F-HEMBA1002151	0.82
	HEMBA1002161	F-HEMBA1002161	0.94
25	HEMBA1002177	F-HEMBA1002177	0.38
	HEMBA1002189	F-HEMBA1002189	0.43
	HEMBA1002191	F-HEMBA1002191	0.94
	HEMBA1002199	F-HEMBA1002199	0.85
30	HEMBA1002212	F-HEMBA1002212	0.39
	HEMBA1002215	F-HEMBA1002215	0.94
	HEMBA1002229	F-HEMBA1002229	0.83
	HEMBA1002237	F-HEMBA1002237	0.86
35	HEMBA1002241	F-HEMBA1002241	0.66
	HEMBA1002265	F-HEMBA1002265	0.38
	HEMBA1002267	F-HEMBA1002267	0.33
	HEMBA1002341	F-HEMBA1002341	0.53
40	HEMBA1002363	F-HEMBA1002363	0.88
	HEMBA1002417	F-HEMBA1002417	0.83
	HEMBA1002419	F-HEMBA1002419	0.92
	HEMBA1002430	F-HEMBA1002430	0.45
	HEMBA1002439	F-HEMBA1002439	0.83
45	HEMBA1002458	F-HEMBA1002458	0.47
	HEMBA1002460	F-HEMBA1002460	0.48
	HEMBA1002462	F-HEMBA1002462	0.55
	HEMBA1002469	F-HEMBA1002469	0.79
50	HEMBA1002475	F-HEMBA1002475	0.88
	HEMBA1002477	F-HEMBA1002477	0.45
	HEMBA1002495	F-HEMBA1002495	0.78
	HEMBA1002503	F-HEMBA1002503	0.94
55	HEMBA1002508	F-HEMBA1002508	0.33
	HEMBA1002513	F-HEMBA1002513	0.41

	HEMBA1002515	F-HEMBA1002515	0.94
	HEMBA1002542	F-HEMBA1002542	0.46
5	HEMBA1002547	F-HEMBA1002547	0.45
	HEMBA1002569	F-HEMBA1002569	0.86
	HEMBA1002583	F-HEMBA1002583	0.86
	HEMBA1002609	F-HEMBA1002609	0.75
10	HEMBA1002624	F-HEMBA1002624	0.59
	HEMBA1002688	F-HEMBA1002688	0.88
	HEMBA1002696	F-HEMBA1002696	0.82
	HEMBA1002703	F-HEMBA1002703	0.94
	HEMBA1002746	F-HEMBA1002746	0.33
15	HEMBA1002750	F-HEMBA1002750	0.53
	HEMBA1002768	F-HEMBA1002768	0.94
	HEMBA1002770	F-HEMBA1002770	0.61
	HEMBA1002777	F-HEMBA1002777	0.90
20	HEMBA1002779	F-HEMBA1002779	0.92
	HEMBA1002794	F-HEMBA1002794	0.86
	HEMBA1002810	F-HEMBA1002810	0.87
	HEMBA1002816	F-HEMBA1002816	0.91
25	HEMBA1002818	F-HEMBA1002818	0.94
	HEMBA1002850	F-HEMBA1002850	0.57
	HEMBA1002863	F-HEMBA1002863	0.48
	HEMBA1002876	F-HEMBA1002876	0.86
30	HEMBA1002935	F-HEMBA1002935	0.91
	HEMBA1002937	F-HEMBA1002937	0.61
	HEMBA1002939	F-HEMBA1002939	0.32
	HEMBA1002951	F-HEMBA1002951	0.83
35	HEMBA1002954	F-HEMBA1002954	0.67
	HEMBA1002970	F-HEMBA1002970	0.33
	HEMBA1002971	F-HEMBA1002971	0.57
	HEMBA1002973	F-HEMBA1002973	0.33
40	HEMBA1002997	F-HEMBA1002997	0.46
	HEMBA1002999	F-HEMBA1002999	0.49
	HEMBA1003021	F-HEMBA1003021	0.74
	HEMBA1003033	F-HEMBA1003033	0.94
	HEMBA1003035	F-HEMBA1003035	0.61
45	HEMBA1003041	F-HEMBA1003041	0.40
	HEMBA1003046	F-HEMBA1003046	0.94
	HEMBA1003067	F-HEMBA1003067	0.34
	HEMBA1003077	F-HEMBA1003077	0.83
50	HEMBA1003078	F-HEMBA1003078	0.89
	HEMBA1003079	F-HEMBA1003079	0.49
	HEMBA1003096	F-HEMBA1003096	0.34
	HEMBA1003117	F-HEMBA1003117	0.94
55	HEMBA1003129	F-HEMBA1003129	0.81
	HEMBA1003136	F-HEMBA1003136	0.77

	HEMBA1003148	F-HEMBA1003148	0.91
	HEMBA1003175	F-HEMBA1003175	0.41
5	HEMBA1003179	F-HEMBA1003179	0.42
	HEMBA1003199	F-HEMBA1003199	0.84
	HEMBA1003222	F-HEMBA1003222	0.47
	HEMBA1003235	F-HEMBA1003235	0.94
10	HEMBA1003250	F-HEMBA1003250	0.39
	HEMBA1003257	F-HEMBA1003257	0.88
	HEMBA1003281	F-HEMBA1003281	0.67
	HEMBA1003286	F-HEMBA1003286	0.57
	HEMBA1003291	F-HEMBA1003291	0.89
15	HEMBA1003322	F-HEMBA1003322	0.60
	HEMBA1003327	F-HEMBA1003327	0.88
	HEMBA1003369	F-HEMBA1003369	0.89
	HEMBA1003370	F-HEMBA1003370	0.75
20	HEMBA1003380	F-HEMBA1003380	0.68
	HEMBA1003395	F-HEMBA1003395	0.88
	HEMBA1003402	F-HEMBA1003402	0.45
	HEMBA1003403	F-HEMBA1003403	0.44
25	HEMBA1003408	F-HEMBA1003408	0.34
	HEMBA1003417	F-HEMBA1003417	0.78
	HEMBA1003418	F-HEMBA1003418	0.94
	HEMBA1003433	F-HEMBA1003433	0.70
30	HEMBA1003447	F-HEMBA1003447	0.49
	HEMBA1003461	F-HEMBA1003461	0.85
	HEMBA1003463	F-HEMBA1003463	0.59
	HEMBA1003480	F-HEMBA1003480	0.94
35	HEMBA1003528	F-HEMBA1003528	0.90
	HEMBA1003538	F-HEMBA1003538	0.47
	HEMBA1003545	F-HEMBA1003545	0.74
	HEMBA1003555	F-HEMBA1003555	0.94
40	HEMBA1003556	F-HEMBA1003556	0.44
	HEMBA1003560	F-HEMBA1003560	0.40
	HEMBA1003568	F-HEMBA1003568	0.94
	HEMBA1003569	F-HEMBA1003569	0.82
	HEMBA1003581	F-HEMBA1003581	0.83
45	HEMBA1003591	F-HEMBA1003591	0.68
	HEMBA1003615	F-HEMBA1003615	0.94
	HEMBA1003617	F-HEMBA1003617	0.88
	HEMBA1003621	F-HEMBA1003621	0.47
50	HEMBA1003645	F-HEMBA1003645	0.75
	HEMBA1003646	F-HEMBA1003646	0.51
	HEMBA1003662	F-HEMBA1003662	0.61
	HEMBA1003667	F-HEMBA1003667	0.54
55	HEMBA1003679	F-HEMBA1003679	0.72
	HEMBA1003680	F-HEMBA1003680	0.52

	HEMBA1003684	F-HEMBA1003684	0.94
	HEMBA1003690	F-HEMBA1003690	0.93
5	HEMBA1003692	F-HEMBA1003692	0.46
	HEMBA1003711	F-HEMBA1003711	0.94
	HEMBA1003720	F-HEMBA1003720	0.94
	HEMBA1003729	F-HEMBA1003729	0.73
10	HEMBA1003742	F-HEMBA1003742	0.94
	HEMBA1003760	F-HEMBA1003760	0.75
	HEMBA1003783	F-HEMBA1003783	0.31
	HEMBA1003799	F-HEMBA1003799	0.70
	HEMBA1003803	F-HEMBA1003803	0.87
15	HEMBA1003804	F-HEMBA1003804	0.94
	HEMBA1003805	F-HEMBA1003805	0.94
	HEMBA1003807	F-HEMBA1003807	0.91
	HEMBA1003827	F-HEMBA1003827	0.62
20	HEMBA1003836	F-HEMBA1003836	0.69
	HEMBA1003838	F-HEMBA1003838	0.80
	HEMBA1003864	F-HEMBA1003864	0.94
	HEMBA1003866	F-HEMBA1003866	0.32
25	HEMBA1003879	F-HEMBA1003879	0.82
	HEMBA1003880	F-HEMBA1003880	0.59
	HEMBA1003893	F-HEMBA1003893	0.47
	HEMBA1003953	F-HEMBA1003953	0.77
30	HEMBA1003959	F-HEMBA1003959	0.32
	HEMBA1003978	F-HEMBA1003978	0.37
	HEMBA1003985	F-HEMBA1003985	0.31
	HEMBA1003989	F-HEMBA1003989	0.75
35	HEMBA1004011	F-HEMBA1004011	0.34
	HEMBA1004048	F-HEMBA1004048	0.32
	HEMBA1004055	F-HEMBA1004055	0.74
	HEMBA1004056	F-HEMBA1004056	0.49
40	HEMBA1004074	F-HEMBA1004074	0.39
	HEMBA1004086	F-HEMBA1004086	0.45
	HEMBA1004097	F-HEMBA1004097	0.82
	HEMBA1004111	F-HEMBA1004111	0.94
45	HEMBA1004131	F-HEMBA1004131	0.84
	HEMBA1004133	F-HEMBA1004133	0.40
	HEMBA1004143	F-HEMBA1004143	0.33
	HEMBA1004146	F-HEMBA1004146	0.31
	HEMBA1004150	F-HEMBA1004150	0.70
50	HEMBA1004168	F-HEMBA1004168	0.34
	HEMBA1004199	F-HEMBA1004199	0.34
	HEMBA1004200	F-HEMBA1004200	0.40
	HEMBA1004202	F-HEMBA1004202	0.88
55	HEMBA1004203	F-HEMBA1004203	0.94
	HEMBA1004207	F-HEMBA1004207	0.53

	HEMBA1004227	F-HEMBA1004227	0.94
	HEMBA1004238	F-HEMBA1004238	0.44
5	HEMBA1004246	F-HEMBA1004246	0.71
	HEMBA1004248	F-HEMBA1004248	0.40
	HEMBA1004264	F-HEMBA1004264	0.94
	HEMBA1004274	F-HEMBA1004274	0.88
10	HEMBA1004275	F-HEMBA1004275	0.85
	HEMBA1004276	F-HEMBA1004276	0.32
	HEMBA1004286	F-HEMBA1004286	0.37
	HEMBA1004289	F-HEMBA1004289	0.76
15	HEMBA1004321	F-HEMBA1004321	0.82
	HEMBA1004327	F-HEMBA1004327	0.40
	HEMBA1004330	F-HEMBA1004330	0.84
	HEMBA1004335	F-HEMBA1004335	0.79
	HEMBA1004341	F-HEMBA1004341	0.38
20	HEMBA1004353	F-HEMBA1004353	0.79
	HEMBA1004372	F-HEMBA1004372	0.94
	HEMBA1004389	F-HEMBA1004389	0.32
	HEMBA1004408	F-HEMBA1004408	0.70
25	HEMBA1004479	F-HEMBA1004479	0.55
	HEMBA1004499	F-HEMBA1004499	0.62
	HEMBA1004502	F-HEMBA1004502	0.31
	HEMBA1004507	F-HEMBA1004507	0.71
30	HEMBA1004509	F-HEMBA1004509	0.68
	HEMBA1004534	F-HEMBA1004534	0.56
	HEMBA1004542	F-HEMBA1004542	0.36
	HEMBA1004554	F-HEMBA1004554	0.90
35	HEMBA1004560	F-HEMBA1004560	0.57
	HEMBA1004573	F-HEMBA1004573	0.93
	HEMBA1004596	F-HEMBA1004596	0.45
	HEMBA1004604	F-HEMBA1004604	0.91
40	HEMBA1004610	F-HEMBA1004610	0.59
	HEMBA1004632	F-HEMBA1004632	0.59
	HEMBA1004637	F-HEMBA1004637	0.38
	HEMBA1004638	F-HEMBA1004638	0.40
	HEMBA1004669	F-HEMBA1004669	0.94
45	HEMBA1004693	F-HEMBA1004693	0.52
	HEMBA1004697	F-HEMBA1004697	0.94
	HEMBA1004705	F-HEMBA1004705	0.94
	HEMBA1004709	F-HEMBA1004709	0.77
50	HEMBA1004711	F-HEMBA1004711	0.73
	HEMBA1004725	F-HEMBA1004725	0.94
	HEMBA1004734	F-HEMBA1004734	0.94
	HEMBA1004736	F-HEMBA1004736	0.94
55	HEMBA1004751	F-HEMBA1004751	0.64
	HEMBA1004752	F-HEMBA1004752	0.87

	HEMBA1004753	F-HEMBA1004753	0.54
	HEMBA1004756	F-HEMBA1004756	0.54
5	HEMBA1004758	F-HEMBA1004758	0.69
	HEMBA1004763	F-HEMBA1004763	0.94
	HEMBA1004768	F-HEMBA1004768	0.66
	HEMBA1004771	F-HEMBA1004771	0.72
10	HEMBA1004776	F-HEMBA1004776	0.49
	HEMBA1004795	F-HEMBA1004795	0.46
	HEMBA1004806	F-HEMBA1004806	0.32
	HEMBA1004847	F-HEMBA1004847	0.79
	HEMBA1004850	F-HEMBA1004850	0.94
15	HEMBA1004863	F-HEMBA1004863	0.32
	HEMBA1004864	F-HEMBA1004864	0.94
	HEMBA1004889	F-HEMBA1004889	0.94
	HEMBA1004923	F-HEMBA1004923	0.70
20	HEMBA1004929	F-HEMBA1004929	0.31
	HEMBA1004930	F-HEMBA1004930	0.90
	HEMBA1004933	F-HEMBA1004933	0.84
	HEMBA1004934	F-HEMBA1004934	0.34
25	HEMBA1004944	F-HEMBA1004944	0.40
	HEMBA1004954	F-HEMBA1004954	0.62
	HEMBA1004972	F-HEMBA1004972	0.90
	HEMBA1004973	F-HEMBA1004973	0.94
30	HEMBA1004977	F-HEMBA1004977	0.77
	HEMBA1004980	F-HEMBA1004980	0.33
	HEMBA1005009	F-HEMBA1005009	0.94
	HEMBA1005019	F-HEMBA1005019	0.32
35	HEMBA1005029	F-HEMBA1005029	0.84
	HEMBA1005035	F-HEMBA1005035	0.91
	HEMBA1005047	F-HEMBA1005047	0.94
	HEMBA1005050	F-HEMBA1005050	0.88
	HEMBA1005066	F-HEMBA1005066	0.79
40	HEMBA1005075	F-HEMBA1005075	0.31
	HEMBA1005079	F-HEMBA1005079	0.35
	HEMBA1005083	F-HEMBA1005083	0.43
	HEMBA1005101	F-HEMBA1005101	0.94
45	HEMBA1005113	F-HEMBA1005113	0.38
	HEMBA1005133	F-HEMBA1005133	0.34
	HEMBA1005149	F-HEMBA1005149	0.36
	HEMBA1005185	F-HEMBA1005185	0.64
50	HEMBA1005201	F-HEMBA1005201	0.83
	HEMBA1005202	F-HEMBA1005202	0.94
	HEMBA1005206	F-HEMBA1005206	0.94
	HEMBA1005219	F-HEMBA1005219	0.57
55	HEMBA1005223	F-HEMBA1005223	0.33
	HEMBA1005244	F-HEMBA1005244	0.35

	HEMBA1005252	F-HEMBA1005252	0.80
	HEMBA1005296	F-HEMBA1005296	0.94
	HEMBA1005314	F-HEMBA1005314	0.94
5	HEMBA1005331	F-HEMBA1005331	0.69
	HEMBA1005338	F-HEMBA1005338	0.94
	HEMBA1005367	F-HEMBA1005367	0.50
	HEMBA1005382	F-HEMBA1005382	0.91
10	HEMBA1005394	F-HEMBA1005394	0.45
	HEMBA1005403	F-HEMBA1005403	0.94
	HEMBA1005411	F-HEMBA1005411	0.33
	HEMBA1005423	F-HEMBA1005423	0.64
15	HEMBA1005468	F-HEMBA1005468	0.33
	HEMBA1005469	F-HEMBA1005469	0.59
	HEMBA1005472	F-HEMBA1005472	0.32
	HEMBA1005474	F-HEMBA1005474	0.51
20	HEMBA1005475	F-HEMBA1005475	0.36
	HEMBA1005513	F-HEMBA1005513	0.94
	HEMBA1005517	F-HEMBA1005517	0.94
	HEMBA1005518	F-HEMBA1005518	0.39
25	HEMBA1005526	F-HEMBA1005526	0.62
	HEMBA1005528	F-HEMBA1005528	0.81
	HEMBA1005530	F-HEMBA1005530	0.62
	HEMBA1005548	F-HEMBA1005548	0.94
	HEMBA1005558	F-HEMBA1005558	0.94
30	HEMBA1005576	F-HEMBA1005576	0.49
	HEMBA1005581	F-HEMBA1005581	0.53
	HEMBA1005582	F-HEMBA1005582	0.34
	HEMBA1005583	F-HEMBA1005583	0.94
35	HEMBA1005595	F-HEMBA1005595	0.93
	HEMBA1005609	F-HEMBA1005609	0.34
	HEMBA1005621	F-HEMBA1005621	0.94
	HEMBA1005666	F-HEMBA1005666	0.57
40	HEMBA1005680	F-HEMBA1005680	0.38
	HEMBA1005685	F-HEMBA1005685	0.32
	HEMBA1005732	F-HEMBA1005732	0.33
	HEMBA1005737	F-HEMBA1005737	0.92
45	HEMBA1005746	F-HEMBA1005746	0.37
	HEMBA1005755	F-HEMBA1005755	0.94
	HEMBA1005813	F-HEMBA1005813	0.33
	HEMBA1005815	F-HEMBA1005815	0.82
50	HEMBA1005822	F-HEMBA1005822	0.83
	HEMBA1005834	F-HEMBA1005834	0.70
	HEMBA1005852	F-HEMBA1005852	0.76
	HEMBA1005884	F-HEMBA1005884	0.79
55	HEMBA1005891	F-HEMBA1005891	0.94
	HEMBA1005963	F-HEMBA1005963	0.40

	HEMBA1005990	F-HEMBA1005990	0.82
	HEMBA1005991	F-HEMBA1005991	0.43
5	HEMBA1006031	F-HEMBA1006031	0.55
	HEMBA1006035	F-HEMBA1006035	0.43
	HEMBA1006081	F-HEMBA1006081	0.36
	HEMBA1006091	F-HEMBA1006091	0.81
10	HEMBA1006100	F-HEMBA1006100	0.31
	HEMBA1006108	F-HEMBA1006108	0.80
	HEMBA1006121	F-HEMBA1006121	0.45
	HEMBA1006130	F-HEMBA1006130	0.46
	HEMBA1006138	F-HEMBA1006138	0.48
15	HEMBA1006155	F-HEMBA1006155	0.72
	HEMBA1006173	F-HEMBA1006173	0.42
	HEMBA1006182	F-HEMBA1006182	0.73
	HEMBA1006198	F-HEMBA1006198	0.94
20	HEMBA1006235	F-HEMBA1006235	0.58
	HEMBA1006248	F-HEMBA1006248	0.57
	HEMBA1006252	F-HEMBA1006252	0.31
	HEMBA1006272	F-HEMBA1006272	0.54
25	HEMBA1006278	F-HEMBA1006278	0.92
	HEMBA1006283	F-HEMBA1006283	0.90
	HEMBA1006284	F-HEMBA1006284	0.93
	HEMBA1006291	F-HEMBA1006291	0.38
30	HEMBA1006293	F-HEMBA1006293	0.89
	HEMBA1006309	F-HEMBA1006309	0.94
	HEMBA1006310	F-HEMBA1006310	0.67
	HEMBA1006344	F-HEMBA1006344	0.94
35	HEMBA1006347	F-HEMBA1006347	0.94
	HEMBA1006349	F-HEMBA1006349	0.56
	HEMBA1006377	F-HEMBA1006377	0.94
	HEMBA1006381	F-HEMBA1006381	0.33
	HEMBA1006398	F-HEMBA1006398	0.71
40	HEMBA1006424	F-HEMBA1006424	0.40
	HEMBA1006445	F-HEMBA1006445	0.86
	HEMBA1006467	F-HEMBA1006467	0.55
	HEMBA1006474	F-HEMBA1006474	0.66
45	HEMBA1006483	F-HEMBA1006483	0.71
	HEMBA1006485	F-HEMBA1006485	0.87
	HEMBA1006492	F-HEMBA1006492	0.73
	HEMBA1006494	F-HEMBA1006494	0.90
50	HEMBA1006497	F-HEMBA1006497	0.77
	HEMBA1006502	F-HEMBA1006502	0.80
	HEMBA1006507	F-HEMBA1006507	0.56
	HEMBA1006521	F-HEMBA1006521	0.91
55	HEMBA1006530	F-HEMBA1006530	0.37
	HEMBA1006535	F-HEMBA1006535	0.56

	HEMBA1006559	F-HEMBA1006559	0.39
	HEMBA1006566	F-HEMBA1006566	0.41
5	HEMBA1006579	F-HEMBA1006579	0.83
	HEMBA1006583	F-HEMBA1006583	0.31
	HEMBA1006612	F-HEMBA1006612	0.55
	HEMBA1006624	F-HEMBA1006624	0.94
10	HEMBA1006631	F-HEMBA1006631	0.74
	HEMBA1006643	F-HEMBA1006643	0.38
	HEMBA1006652	F-HEMBA1006652	0.93
	HEMBA1006659	F-HEMBA1006659	0.63
	HEMBA1006674	F-HEMBA1006674	0.54
15	HEMBA1006682	F-HEMBA1006682	0.34
	HEMBA1006708	F-HEMBA1006708	0.40
	HEMBA1006709	F-HEMBA1006709	0.41
	HEMBA1006717	F-HEMBA1006717	0.43
20	HEMBA1006737	F-HEMBA1006737	0.72
	HEMBA1006754	F-HEMBA1006754	0.45
	HEMBA1006758	F-HEMBA1006758	0.60
	HEMBA1006767	F-HEMBA1006767	0.61
25	HEMBA1006789	F-HEMBA1006789	0.34
	HEMBA1006795	F-HEMBA1006795	0.48
	HEMBA1006796	F-HEMBA1006796	0.41
	HEMBA1006807	F-HEMBA1006807	0.34
30	HEMBA1006832	F-HEMBA1006832	0.59
	HEMBA1006877	F-HEMBA1006877	0.90
	HEMBA1006885	F-HEMBA1006885	0.80
	HEMBA1006900	F-HEMBA1006900	0.34
35	HEMBA1006914	F-HEMBA1006914	0.78
	HEMBA1006926	F-HEMBA1006926	0.67
	HEMBA1006936	F-HEMBA1006936	0.65
	HEMBA1006941	F-HEMBA1006941	0.94
	HEMBA1006973	F-HEMBA1006973	0.64
40	HEMBA1006976	F-HEMBA1006976	0.40
	HEMBA1006993	F-HEMBA1006993	0.81
	HEMBA1006996	F-HEMBA1006996	0.77
	HEMBA1007002	F-HEMBA1007002	0.72
45	HEMBA1007018	F-HEMBA1007018	0.31
	HEMBA1007052	F-HEMBA1007052	0.41
	HEMBA1007062	F-HEMBA1007062	0.39
	HEMBA1007066	F-HEMBA1007066	0.35
50	HEMBA1007080	F-HEMBA1007080	0.43
	HEMBA1007085	F-HEMBA1007085	0.73
	HEMBA1007087	F-HEMBA1007087	0.94
	HEMBA1007112	F-HEMBA1007112	0.49
55	HEMBA1007121	F-HEMBA1007121	0.70
	HEMBA1007149	F-HEMBA1007149	0.94

	HEMBA1007151	F-HEMBA1007151	0.80
	HEMBA1007174	F-HEMBA1007174	0.63
5	HEMBA1007178	F-HEMBA1007178	0.47
	HEMBA1007194	F-HEMBA1007194	0.94
	HEMBA1007203	F-HEMBA1007203	0.48
	HEMBA1007224	F-HEMBA1007224	0.74
	HEMBA1007243	F-HEMBA1007243	0.94
10	HEMBA1007251	F-HEMBA1007251	0.79
	HEMBA1007267	F-HEMBA1007267	0.86
	HEMBA1007281	F-HEMBA1007281	0.61
	HEMBA1007300	F-HEMBA1007300	0.87
15	HEMBA1007301	F-HEMBA1007301	0.38
	HEMBA1007319	F-HEMBA1007319	0.47
	HEMBA1007320	F-HEMBA1007320	0.69
	HEMBA1007342	F-HEMBA1007342	0.80
20	HEMBA1000008	F-HEMBA1000008	0.39
	HEMBA1000018	F-HEMBA1000018	0.79
	HEMBA1000024	F-HEMBA1000024	0.62
	HEMBA1000025	F-HEMBA1000025	0.66
25	HEMBA1000030	F-HEMBA1000030	0.33
	HEMBA1000036	F-HEMBA1000036	0.75
	HEMBA1000037	F-HEMBA1000037	0.94
	HEMBA1000048	F-HEMBA1000048	0.87
30	HEMBA1000083	F-HEMBA1000083	0.48
	HEMBA1000103	F-HEMBA1000103	0.63
	HEMBA1000119	F-HEMBA1000119	0.94
	HEMBA1000136	F-HEMBA1000136	0.92
35	HEMBA1000173	F-HEMBA1000173	0.46
	HEMBA1000175	F-HEMBA1000175	0.48
	HEMBA1000198	F-HEMBA1000198	0.74
	HEMBA1000215	F-HEMBA1000215	0.61
	HEMBA1000217	F-HEMBA1000217	0.94
40	HEMBA1000226	F-HEMBA1000226	0.94
	HEMBA1000240	F-HEMBA1000240	0.40
	HEMBA1000244	F-HEMBA1000244	0.81
	HEMBA1000266	F-HEMBA1000266	0.92
45	HEMBA1000338	F-HEMBA1000338	0.33
	HEMBA1000339	F-HEMBA1000339	0.40
	HEMBA1000391	F-HEMBA1000391	0.43
	HEMBA1000438	F-HEMBA1000438	0.79
50	HEMBA1000449	F-HEMBA1000449	0.48
	HEMBA1000510	F-HEMBA1000510	0.35
	HEMBA1000550	F-HEMBA1000550	0.94
	HEMBA1000556	F-HEMBA1000556	0.89
55	HEMBA1000589	F-HEMBA1000589	0.77
	HEMBA1000591	F-HEMBA1000591	0.33

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	HEMBB1000592	F-HEMBB1000592	0.77
	HEMBB1000593	F-HEMBB1000593	0.68
	HEMBB1000623	F-HEMBB1000623	0.94
5	HEMBB1000630	F-HEMBB1000630	0.59
	HEMBB1000631	F-HEMBB1000631	0.71
	HEMBB1000632	F-HEMBB1000632	0.38
	HEMBB1000671	F-HEMBB1000671	0.36
10	HEMBB1000673	F-HEMBB1000673	0.54
	HEMBB1000693	F-HEMBB1000693	0.68
	HEMBB1000705	F-HEMBB1000705	0.44
	HEMBB1000706	F-HEMBB1000706	0.45
15	HEMBB1000725	F-HEMBB1000725	0.91
	HEMBB1000763	F-HEMBB1000763	0.87
	HEMBB1000774	F-HEMBB1000774	0.80
	HEMBB1000781	F-HEMBB1000781	0.94
20	HEMBB1000789	F-HEMBB1000789	0.34
	HEMBB1000807	F-HEMBB1000807	0.94
	HEMBB1000810	F-HEMBB1000810	0.33
	HEMBB1000826	F-HEMBB1000826	0.36
25	HEMBB1000835	F-HEMBB1000835	0.81
	HEMBB1000848	F-HEMBB1000848	0.66
	HEMBB1000852	F-HEMBB1000852	0.85
	HEMBB1000870	F-HEMBB1000870	0.34
	HEMBB1000887	F-HEMBB1000887	0.58
30	HEMBB1000908	F-HEMBB1000908	0.31
	HEMBB1000927	F-HEMBB1000927	0.94
	HEMBB1000947	F-HEMBB1000947	0.33
	HEMBB1000973	F-HEMBB1000973	0.72
35	HEMBB1000975	F-HEMBB1000975	0.68
	HEMBB1000985	F-HEMBB1000985	0.62
	HEMBB1000991	F-HEMBB1000991	0.45
	HEMBB1001011	F-HEMBB1001011	0.58
40	HEMBB1001014	F-HEMBB1001014	0.86
	HEMBB1001020	F-HEMBB1001020	0.87
	HEMBB1001024	F-HEMBB1001024	0.64
	HEMBB1001056	F-HEMBB1001056	0.94
45	HEMBB1001058	F-HEMBB1001058	0.39
	HEMBB1001068	F-HEMBB1001068	0.57
	HEMBB1001096	F-HEMBB1001096	0.48
	HEMBB1001105	F-HEMBB1001105	0.45
50	HEMBB1001112	F-HEMBB1001112	0.47
	HEMBB1001117	F-HEMBB1001117	0.83
	HEMBB1001126	F-HEMBB1001126	0.76
	HEMBB1001137	F-HEMBB1001137	0.53
	HEMBB1001151	F-HEMBB1001151	0.94
55	HEMBB1001153	F-HEMBB1001153	0.77

	HEM881001169	F-HEM881001169	0.39
	HEM881001175	F-HEM881001175	0.91
5	HEM881001182	F-HEM881001182	0.94
	HEM881001199	F-HEM881001199	0.54
	HEM881001210	F-HEM881001210	0.88
	HEM881001234	F-HEM881001234	0.67
10	HEM881001242	F-HEM881001242	0.33
	HEM881001288	F-HEM881001288	0.33
	HEM881001289	F-HEM881001289	0.58
	HEM881001294	F-HEM881001294	0.86
	HEM881001314	F-HEM881001314	0.76
15	HEM881001331	F-HEM881001331	0.44
	HEM881001339	F-HEM881001339	0.40
	HEM881001346	F-HEM881001346	0.83
	HEM881001364	F-HEM881001364	0.69
20	HEM881001369	F-HEM881001369	0.47
	HEM881001384	F-HEM881001384	0.80
	HEM881001387	F-HEM881001387	0.36
	HEM881001394	F-HEM881001394	0.94
25	HEM881001410	F-HEM881001410	0.51
	HEM881001426	F-HEM881001426	0.80
	HEM881001429	F-HEM881001429	0.91
	HEM881001449	F-HEM881001449	0.31
30	HEM881001482	F-HEM881001482	0.44
	HEM881001531	F-HEM881001531	0.58
	HEM881001562	F-HEM881001562	0.65
	HEM881001564	F-HEM881001564	0.46
35	HEM881001585	F-HEM881001585	0.74
	HEM881001603	F-HEM881001603	0.81
	HEM881001635	F-HEM881001635	0.46
	HEM881001653	F-HEM881001653	0.33
	HEM881001665	F-HEM881001665	0.39
40	HEM881001668	F-HEM881001668	0.38
	HEM881001673	F-HEM881001673	0.83
	HEM881001684	F-HEM881001684	0.44
	HEM881001685	F-HEM881001685	0.90
45	HEM881001695	F-HEM881001695	0.92
	HEM881001707	F-HEM881001707	0.51
	HEM881001736	F-HEM881001736	0.94
	HEM881001760	F-HEM881001760	0.88
50	HEM881001785	F-HEM881001785	0.74
	HEM881001812	F-HEM881001812	0.33
	HEM881001816	F-HEM881001816	0.41
	HEM881001831	F-HEM881001831	0.93
	HEM881001834	F-HEM881001834	0.78
55	HEM881001839	F-HEM881001839	0.32

	HEMBB1001869	F-HEMBB1001869	0.48
	HEMBB1001872	F-HEMBB1001872	0.93
	HEMBB1001874	F-HEMBB1001874	0.31
5	HEMBB1001905	F-HEMBB1001905	0.87
	HEMBB1001906	F-HEMBB1001906	0.88
	HEMBB1001908	F-HEMBB1001908	0.69
	HEMBB1001910	F-HEMBB1001910	0.77
10	HEMBB1001915	F-HEMBB1001915	0.76
	HEMBB1001945	F-HEMBB1001945	0.64
	HEMBB1001947	F-HEMBB1001947	0.94
	HEMBB1001950	F-HEMBB1001950	0.73
15	HEMBB1001957	F-HEMBB1001957	0.64
	HEMBB1001962	F-HEMBB1001962	0.90
	HEMBB1001990	F-HEMBB1001990	0.83
	HEMBB1002044	F-HEMBB1002044	0.82
20	HEMBB1002050	F-HEMBB1002050	0.91
	HEMBB1002068	F-HEMBB1002068	0.48
	HEMBB1002134	F-HEMBB1002134	0.80
	HEMBB1002142	F-HEMBB1002142	0.39
25	HEMBB1002152	F-HEMBB1002152	0.31
	HEMBB1002193	F-HEMBB1002193	0.35
	HEMBB1002217	F-HEMBB1002217	0.49
	HEMBB1002218	F-HEMBB1002218	0.32
30	HEMBB1002249	F-HEMBB1002249	0.72
	HEMBB1002300	F-HEMBB1002300	0.75
	HEMBB1002327	F-HEMBB1002327	0.86
	HEMBB1002329	F-HEMBB1002329	0.31
	HEMBB1002340	F-HEMBB1002340	0.42
35	HEMBB1002342	F-HEMBB1002342	0.76
	HEMBB1002358	F-HEMBB1002358	0.70
	HEMBB1002359	F-HEMBB1002359	0.75
	HEMBB1002383	F-HEMBB1002383	0.78
40	HEMBB1002409	F-HEMBB1002409	0.52
	HEMBB1002415	F-HEMBB1002415	0.82
	HEMBB1002442	F-HEMBB1002442	0.31
	HEMBB1002457	F-HEMBB1002457	0.46
45	HEMBB1002489	F-HEMBB1002489	0.69
	HEMBB1002492	F-HEMBB1002492	0.68
	HEMBB1002495	F-HEMBB1002495	0.94
	HEMBB1002502	F-HEMBB1002502	0.39
50	HEMBB1002510	F-HEMBB1002510	0.94
	HEMBB1002545	F-HEMBB1002545	0.44
	HEMBB1002550	F-HEMBB1002550	0.57
	HEMBB1002600	F-HEMBB1002600	0.91
	HEMBB1002607	F-HEMBB1002607	0.83
55	HEMBB1002614	F-HEMBB1002614	0.75

	HEMBB1002684	F-HEMBB1002684	0.84
	HEMBB1002692	F-HEMBB1002692	0.52
	HEMBB1002697	F-HEMBB1002697	0.86
5	HEMBB1002705	F-HEMBB1002705	0.32
	MAMMA1000019	F-MAMMA1000019	0.48
	MAMMA1000020	F-MAMMA1000020	0.36
	MAMMA1000025	F-MAMMA1000025	0.31
10	MAMMA1000055	F-MAMMA1000055	0.39
	MAMMA1000057	F-MAMMA1000057	0.35
	MAMMA1000069	F-MAMMA1000069	0.78
	MAMMA1000084	F-MAMMA1000084	0.61
15	MAMMA1000085	F-MAMMA1000085	0.72
	MAMMA1000139	F-MAMMA1000139	0.33
	MAMMA1000143	F-MAMMA1000143	0.40
	MAMMA1000163	F-MAMMA1000163	0.94
20	MAMMA1000171	F-MAMMA1000171	0.78
	MAMMA1000173	F-MAMMA1000173	0.94
	MAMMA1000183	F-MAMMA1000183	0.77
	MAMMA1000251	F-MAMMA1000251	0.94
25	MAMMA1000257	F-MAMMA1000257	0.75
	MAMMA1000277	F-MAMMA1000277	0.94
	MAMMA1000278	F-MAMMA1000278	0.35
	MAMMA1000279	F-MAMMA1000279	0.62
30	MAMMA1000284	F-MAMMA1000284	0.35
	MAMMA1000309	F-MAMMA1000309	0.53
	MAMMA1000312	F-MAMMA1000312	0.68
	MAMMA1000313	F-MAMMA1000313	0.32
	MAMMA1000339	F-MAMMA1000339	0.35
35	MAMMA1000361	F-MAMMA1000361	0.61
	MAMMA1000372	F-MAMMA1000372	0.60
	MAMMA1000388	F-MAMMA1000388	0.93
	MAMMA1000395	F-MAMMA1000395	0.94
40	MAMMA1000410	F-MAMMA1000410	0.94
	MAMMA1000416	F-MAMMA1000416	0.89
	MAMMA1000421	F-MAMMA1000421	0.50
	MAMMA1000422	F-MAMMA1000422	0.92
45	MAMMA1000429	F-MAMMA1000429	0.92
	MAMMA1000458	F-MAMMA1000458	0.88
	MAMMA1000468	F-MAMMA1000468	0.60
	MAMMA1000472	F-MAMMA1000472	0.33
50	MAMMA1000490	F-MAMMA1000490	0.34
	MAMMA1000524	F-MAMMA1000524	0.39
	MAMMA1000567	F-MAMMA1000567	0.40
	MAMMA1000583	F-MAMMA1000583	0.45
	MAMMA1000612	F-MAMMA1000612	0.89
55	MAMMA1000623	F-MAMMA1000623	0.44

	MAMMA1000625	F-MAMMA1000625	0.52
	MAMMA1000664	F-MAMMA1000664	0.42
5	MAMMA1000670	F-MAMMA1000670	0.94
	MAMMA1000672	F-MAMMA1000672	0.44
	MAMMA1000684	F-MAMMA1000684	0.94
	MAMMA1000713	F-MAMMA1000713	0.88
	MAMMA1000731	F-MAMMA1000731	0.67
10	MAMMA1000734	F-MAMMA1000734	0.40
	MAMMA1000738	F-MAMMA1000738	0.93
	MAMMA1000746	F-MAMMA1000746	0.48
	MAMMA1000760	F-MAMMA1000760	0.94
15	MAMMA1000776	F-MAMMA1000776	0.94
	MAMMA1000824	F-MAMMA1000824	0.81
	MAMMA1000831	F-MAMMA1000831	0.39
	MAMMA1000841	F-MAMMA1000841	0.41
20	MAMMA1000842	F-MAMMA1000842	0.61
	MAMMA1000843	F-MAMMA1000843	0.48
	MAMMA1000856	F-MAMMA1000856	0.31
	MAMMA1000859	F-MAMMA1000859	0.44
25	MAMMA1000865	F-MAMMA1000865	0.94
	MAMMA1000875	F-MAMMA1000875	0.49
	MAMMA1000897	F-MAMMA1000897	0.94
	MAMMA1000906	F-MAMMA1000906	0.45
	MAMMA1000908	F-MAMMA1000908	0.39
30	MAMMA1000914	F-MAMMA1000914	0.94
	MAMMA1000921	F-MAMMA1000921	0.34
	MAMMA1000956	F-MAMMA1000956	0.39
	MAMMA1000968	F-MAMMA1000968	0.35
35	MAMMA1000979	F-MAMMA1000979	0.68
	MAMMA1001008	F-MAMMA1001008	0.36
	MAMMA1001021	F-MAMMA1001021	0.48
	MAMMA1001041	F-MAMMA1001041	0.34
40	MAMMA1001059	F-MAMMA1001059	0.94
	MAMMA1001073	F-MAMMA1001073	0.94
	MAMMA1001075	F-MAMMA1001075	0.94
	MAMMA1001078	F-MAMMA1001078	0.52
45	MAMMA1001080	F-MAMMA1001080	0.87
	MAMMA1001091	F-MAMMA1001091	0.53
	MAMMA1001105	F-MAMMA1001105	0.94
	MAMMA1001110	F-MAMMA1001110	0.78
50	MAMMA1001126	F-MAMMA1001126	0.85
	MAMMA1001139	F-MAMMA1001139	0.38
	MAMMA1001143	F-MAMMA1001143	0.79
	MAMMA1001154	F-MAMMA1001154	0.31
55	MAMMA1001181	F-MAMMA1001181	0.69
	MAMMA1001198	F-MAMMA1001198	0.88

	MAMMA1001202	F-MAMMA1001202	0.38
	MAMMA1001215	F-MAMMA1001215	0.94
5	MAMMA1001222	F-MAMMA1001222	0.89
	MAMMA1001244	F-MAMMA1001244	0.87
	MAMMA1001259	F-MAMMA1001259	0.91
	MAMMA1001260	F-MAMMA1001260	0.75
10	MAMMA1001271	F-MAMMA1001271	0.77
	MAMMA1001292	F-MAMMA1001292	0.94
	MAMMA1001296	F-MAMMA1001296	0.75
	MAMMA1001305	F-MAMMA1001305	0.66
15	MAMMA1001343	F-MAMMA1001343	0.38
	MAMMA1001346	F-MAMMA1001346	0.81
	MAMMA1001388	F-MAMMA1001388	0.94
	MAMMA1001411	F-MAMMA1001411	0.42
	MAMMA1001419	F-MAMMA1001419	0.45
20	MAMMA1001465	F-MAMMA1001465	0.94
	MAMMA1001476	F-MAMMA1001476	0.90
	MAMMA1001487	F-MAMMA1001487	0.78
	MAMMA1001510	F-MAMMA1001510	0.82
25	MAMMA1001522	F-MAMMA1001522	0.63
	MAMMA1001551	F-MAMMA1001551	0.81
	MAMMA1001576	F-MAMMA1001576	0.94
	MAMMA1001600	F-MAMMA1001600	0.72
30	MAMMA1001604	F-MAMMA1001604	0.87
	MAMMA1001620	F-MAMMA1001620	0.43
	MAMMA1001627	F-MAMMA1001627	0.39
	MAMMA1001630	F-MAMMA1001630	0.46
35	MAMMA1001633	F-MAMMA1001633	0.58
	MAMMA1001635	F-MAMMA1001635	0.89
	MAMMA1001649	F-MAMMA1001649	0.62
	MAMMA1001654	F-MAMMA1001654	0.94
40	MAMMA1001692	F-MAMMA1001692	0.83
	MAMMA1001730	F-MAMMA1001730	0.48
	MAMMA1001735	F-MAMMA1001735	0.94
	MAMMA1001743	F-MAMMA1001743	0.94
	MAMMA1001744	F-MAMMA1001744	0.33
45	MAMMA1001751	F-MAMMA1001751	0.94
	MAMMA1001754	F-MAMMA1001754	0.47
	MAMMA1001757	F-MAMMA1001757	0.38
	MAMMA1001764	F-MAMMA1001764	0.57
50	MAMMA1001768	F-MAMMA1001768	0.85
	MAMMA1001771	F-MAMMA1001771	0.39
	MAMMA1001783	F-MAMMA1001783	0.61
	MAMMA1001785	F-MAMMA1001785	0.41
55	MAMMA1001790	F-MAMMA1001790	0.69
	MAMMA1001812	F-MAMMA1001812	0.32

	MAMMA1001817	F-MAMMA1001817	0.55
	MAMMA1001824	F-MAMMA1001824	0.57
5	MAMMA1001837	F-MAMMA1001837	0.35
	MAMMA1001848	F-MAMMA1001848	0.38
	MAMMA1001851	F-MAMMA1001851	0.46
	MAMMA1001858	F-MAMMA1001858	0.53
10	MAMMA1001864	F-MAMMA1001864	0.32
	MAMMA1001868	F-MAMMA1001868	0.48
	MAMMA1001874	F-MAMMA1001874	0.94
	MAMMA1001956	F-MAMMA1001956	0.47
	MAMMA1001969	F-MAMMA1001969	0.31
15	MAMMA1001970	F-MAMMA1001970	0.34
	MAMMA1002009	F-MAMMA1002009	0.45
	MAMMA1002011	F-MAMMA1002011	0.94
	MAMMA1002033	F-MAMMA1002033	0.33
20	MAMMA1002041	F-MAMMA1002041	0.86
	MAMMA1002042	F-MAMMA1002042	0.88
	MAMMA1002047	F-MAMMA1002047	0.41
	MAMMA1002068	F-MAMMA1002068	0.38
25	MAMMA1002143	F-MAMMA1002143	0.91
	MAMMA1002153	F-MAMMA1002153	0.94
	MAMMA1002156	F-MAMMA1002156	0.73
	MAMMA1002170	F-MAMMA1002170	0.43
30	MAMMA1002174	F-MAMMA1002174	0.69
	MAMMA1002198	F-MAMMA1002198	0.65
	MAMMA1002209	F-MAMMA1002209	0.80
	MAMMA1002219	F-MAMMA1002219	0.85
35	MAMMA1002236	F-MAMMA1002236	0.55
	MAMMA1002243	F-MAMMA1002243	0.50
	MAMMA1002268	F-MAMMA1002268	0.43
	MAMMA1002269	F-MAMMA1002269	0.33
40	MAMMA1002292	F-MAMMA1002292	0.76
	MAMMA1002294	F-MAMMA1002294	0.94
	MAMMA1002297	F-MAMMA1002297	0.91
	MAMMA1002308	F-MAMMA1002308	0.68
45	MAMMA1002312	F-MAMMA1002312	0.77
	MAMMA1002317	F-MAMMA1002317	0.46
	MAMMA1002319	F-MAMMA1002319	0.31
	MAMMA1002329	F-MAMMA1002329	0.34
	MAMMA1002333	F-MAMMA1002333	0.65
50	MAMMA1002351	F-MAMMA1002351	0.89
	MAMMA1002353	F-MAMMA1002353	0.94
	MAMMA1002355	F-MAMMA1002355	0.55
	MAMMA1002356	F-MAMMA1002356	0.32
55	MAMMA1002362	F-MAMMA1002362	0.83
	MAMMA1002380	F-MAMMA1002380	0.94

	MAMMA1002384	F-MAMMA1002384	0.42
	MAMMA1002385	F-MAMMA1002385	0.82
5	MAMMA1002413	F-MAMMA1002413	0.94
	MAMMA1002427	F-MAMMA1002427	0.40
	MAMMA1002434	F-MAMMA1002434	0.74
	MAMMA1002454	F-MAMMA1002454	0.82
10	MAMMA1002461	F-MAMMA1002461	0.49
	MAMMA1002470	F-MAMMA1002470	0.89
	MAMMA1002485	F-MAMMA1002485	0.55
	MAMMA1002524	F-MAMMA1002524	0.33
	MAMMA1002530	F-MAMMA1002530	0.75
15	MAMMA1002554	F-MAMMA1002554	0.41
	MAMMA1002585	F-MAMMA1002585	0.31
	MAMMA1002590	F-MAMMA1002590	0.72
	MAMMA1002598	F-MAMMA1002598	0.76
20	MAMMA1002617	F-MAMMA1002617	0.49
	MAMMA1002619	F-MAMMA1002619	0.88
	MAMMA1002637	F-MAMMA1002637	0.94
	MAMMA1002650	F-MAMMA1002650	0.54
25	MAMMA1002655	F-MAMMA1002655	0.39
	MAMMA1002665	F-MAMMA1002665	0.33
	MAMMA1002671	F-MAMMA1002671	0.94
	MAMMA1002673	F-MAMMA1002673	0.70
30	MAMMA1002684	F-MAMMA1002684	0.94
	MAMMA1002685	F-MAMMA1002685	0.88
	MAMMA1002699	F-MAMMA1002699	0.94
	MAMMA1002711	F-MAMMA1002711	0.39
35	MAMMA1002769	F-MAMMA1002769	0.88
	MAMMA1002775	F-MAMMA1002775	0.81
	MAMMA1002782	F-MAMMA1002782	0.87
	MAMMA1002796	F-MAMMA1002796	0.40
40	MAMMA1002807	F-MAMMA1002807	0.64
	MAMMA1002842	F-MAMMA1002842	0.94
	MAMMA1002843	F-MAMMA1002843	0.32
	MAMMA1002868	F-MAMMA1002868	0.54
	MAMMA1002869	F-MAMMA1002869	0.94
45	MAMMA1002881	F-MAMMA1002881	0.94
	MAMMA1002886	F-MAMMA1002886	0.61
	MAMMA1002890	F-MAMMA1002890	0.94
	MAMMA1002895	F-MAMMA1002895	0.94
50	MAMMA1002937	F-MAMMA1002937	0.91
	MAMMA1002938	F-MAMMA1002938	0.78
	MAMMA1002947	F-MAMMA1002947	0.94
	MAMMA1002964	F-MAMMA1002964	0.34
55	MAMMA1002987	F-MAMMA1002987	0.74
	MAMMA1003011	F-MAMMA1003011	0.90

	MAMMA1003013	F-MAMMA1003013	0.36
	MAMMA1003015	F-MAMMA1003015	0.92
5	MAMMA1003035	F-MAMMA1003035	0.94
	MAMMA1003044	F-MAMMA1003044	0.61
	MAMMA1003047	F-MAMMA1003047	0.94
	MAMMA1003049	F-MAMMA1003049	0.31
10	MAMMA1003056	F-MAMMA1003056	0.75
	MAMMA1003057	F-MAMMA1003057	0.33
	MAMMA1003066	F-MAMMA1003066	0.38
	MAMMA1003099	F-MAMMA1003099	0.79
	MAMMA1003104	F-MAMMA1003104	0.44
15	MAMMA1003113	F-MAMMA1003113	0.90
	MAMMA1003127	F-MAMMA1003127	0.53
	MAMMA1003135	F-MAMMA1003135	0.94
	MAMMA1003146	F-MAMMA1003146	0.88
20	MAMMA1003150	F-MAMMA1003150	0.73
	MAMMA1003166	F-MAMMA1003166	0.94
	NT2RM1000001	F-NT2RM1000001	0.66
	NT2RM1000018	F-NT2RM1000018	0.55
25	NT2RM1000032	F-NT2RM1000032	0.74
	NT2RM1000035	F-NT2RM1000035	0.52
	NT2RM1000037	F-NT2RM1000037	0.94
	NT2RM1000039	F-NT2RM1000039	0.77
30	NT2RM1000055	F-NT2RM1000055	0.89
	NT2RM1000059	F-NT2RM1000059	0.41
	NT2RM1000062	F-NT2RM1000062	0.65
	NT2RM1000080	F-NT2RM1000080	0.61
35	NT2RM1000086	F-NT2RM1000086	0.94
	NT2RM1000092	F-NT2RM1000092	0.94
	NT2RM1000118	F-NT2RM1000118	0.76
	NT2RM1000119	F-NT2RM1000119	0.41
40	NT2RM1000127	F-NT2RM1000127	0.94
	NT2RM1000131	F-NT2RM1000131	0.90
	NT2RM1000132	F-NT2RM1000132	0.94
	NT2RM1000153	F-NT2RM1000153	0.90
	NT2RM1000186	F-NT2RM1000186	0.78
45	NT2RM1000187	F-NT2RM1000187	0.54
	NT2RM1000199	F-NT2RM1000199	0.33
	NT2RM1000242	F-NT2RM1000242	0.78
	NT2RM1000244	F-NT2RM1000244	0.31
50	NT2RM1000252	F-NT2RM1000252	0.76
	NT2RM1000256	F-NT2RM1000256	0.94
	NT2RM1000257	F-NT2RM1000257	0.89
	NT2RM1000260	F-NT2RM1000260	0.42
55	NT2RM1000271	F-NT2RM1000271	0.74
	NT2RM1000272	F-NT2RM1000272	0.78

	NT2RM1000280	F-NT2RM1000280	0.94
	NT2RM1000300	F-NT2RM1000300	0.47
	NT2RM1000314	F-NT2RM1000314	0.61
5	NT2RM1000318	F-NT2RM1000318	0.94
	NT2RM1000341	F-NT2RM1000341	0.70
	NT2RM1000354	F-NT2RM1000354	0.82
	NT2RM1000355	F-NT2RM1000355	0.94
10	NT2RM1000365	F-NT2RM1000365	0.31
	NT2RM1000377	F-NT2RM1000377	0.87
	NT2RM1000388	F-NT2RM1000388	0.94
	NT2RM1000394	F-NT2RM1000394	0.58
15	NT2RM1000399	F-NT2RM1000399	0.86
	NT2RM1000421	F-NT2RM1000421	0.39
	NT2RM1000430	F-NT2RM1000430	0.94
	NT2RM1000499	F-NT2RM1000499	0.44
20	NT2RM1000539	F-NT2RM1000539	0.87
	NT2RM1000553	F-NT2RM1000553	0.88
	NT2RM1000555	F-NT2RM1000555	0.37
	NT2RM1000563	F-NT2RM1000563	0.63
25	NT2RM1000623	F-NT2RM1000623	0.34
	NT2RM1000648	F-NT2RM1000648	0.94
	NT2RM1000661	F-NT2RM1000661	0.61
	NT2RM1000666	F-NT2RM1000666	0.94
	NT2RM1000669	F-NT2RM1000669	0.94
30	NT2RM1000672	F-NT2RM1000672	0.53
	NT2RM1000691	F-NT2RM1000691	0.38
	NT2RM1000699	F-NT2RM1000699	0.32
	NT2RM1000702	F-NT2RM1000702	0.74
35	NT2RM1000725	F-NT2RM1000725	0.75
	NT2RM1000741	F-NT2RM1000741	0.94
	NT2RM1000742	F-NT2RM1000742	0.54
	NT2RM1000746	F-NT2RM1000746	0.94
40	NT2RM1000770	F-NT2RM1000770	0.48
	NT2RM1000772	F-NT2RM1000772	0.39
	NT2RM1000780	F-NT2RM1000780	0.66
	NT2RM1000781	F-NT2RM1000781	0.49
45	NT2RM1000800	F-NT2RM1000800	0.72
	NT2RM1000802	F-NT2RM1000802	0.89
	NT2RM1000811	F-NT2RM1000811	0.53
	NT2RM1000826	F-NT2RM1000826	0.39
50	NT2RM1000829	F-NT2RM1000829	0.63
	NT2RM1000833	F-NT2RM1000833	0.94
	NT2RM1000850	F-NT2RM1000850	0.89
	NT2RM1000852	F-NT2RM1000852	0.88
	NT2RM1000857	F-NT2RM1000857	0.58
55	NT2RM1000867	F-NT2RM1000867	0.90

	NT2RM1000874	F-NT2RM1000874	0.89
	NT2RM1000882	F-NT2RM1000882	0.63
5	NT2RM1000883	F-NT2RM1000883	0.71
	NT2RM1000885	F-NT2RM1000885	0.89
	NT2RM1000894	F-NT2RM1000894	0.57
	NT2RM1000898	F-NT2RM1000898	0.87
10	NT2RM1000905	F-NT2RM1000905	0.94
	NT2RM1000924	F-NT2RM1000924	0.88
	NT2RM1000927	F-NT2RM1000927	0.70
	NT2RM1000962	F-NT2RM1000962	0.84
	NT2RM1000978	F-NT2RM1000978	0.39
15	NT2RM1001003	F-NT2RM1001003	0.81
	NT2RM1001008	F-NT2RM1001008	0.94
	NT2RM1001043	F-NT2RM1001043	0.94
	NT2RM1001044	F-NT2RM1001044	0.94
20	NT2RM1001059	F-NT2RM1001059	0.94
	NT2RM1001066	F-NT2RM1001066	0.94
	NT2RM1001072	F-NT2RM1001072	0.77
	NT2RM1001074	F-NT2RM1001074	0.94
25	NT2RM1001082	F-NT2RM1001082	0.94
	NT2RM1001085	F-NT2RM1001085	0.83
	NT2RM1001092	F-NT2RM1001092	0.77
	NT2RM1001102	F-NT2RM1001102	0.59
30	NT2RM1001105	F-NT2RM1001105	0.94
	NT2RM1001112	F-NT2RM1001112	0.50
	NT2RM1001115	F-NT2RM1001115	0.32
	NT2RM1001139	F-NT2RM1001139	0.77
35	NT2RM2000006	F-NT2RM2000006	0.34
	NT2RM2000013	F-NT2RM2000013	0.70
	NT2RM2000030	F-NT2RM2000030	0.89
	NT2RM2000032	F-NT2RM2000032	0.36
40	NT2RM2000042	F-NT2RM2000042	0.32
	NT2RM2000092	F-NT2RM2000092	0.55
	NT2RM2000093	F-NT2RM2000093	0.33
	NT2RM2000101	F-NT2RM2000101	0.77
	NT2RM2000124	F-NT2RM2000124	0.94
45	NT2RM2000191	F-NT2RM2000191	0.80
	NT2RM2000192	F-NT2RM2000192	0.93
	NT2RM2000239	F-NT2RM2000239	0.68
	NNNNNNNNNNNN	F-NNNNNNNNNNNN	0.94
50	NT2RM2000250	F-NT2RM2000250	0.94
	NT2RM2000259	F-NT2RM2000259	0.68
	NT2RM2000260	F-NT2RM2000260	0.37
	NT2RM2000287	F-NT2RM2000287	0.46
55	NT2RM2000322	F-NT2RM2000322	0.83
	NT2RM2000359	F-NT2RM2000359	0.94

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	NT2RM2000363	F-NT2RM2000363	0.91
	NT2RM2000368	F-NT2RM2000368	0.34
5	NT2RM2000371	F-NT2RM2000371	0.94
	NT2RM2000374	F-NT2RM2000374	0.65
	NT2RM2000395	F-NT2RM2000395	0.33
	NT2RM2000402	F-NT2RM2000402	0.80
10	NT2RM2000407	F-NT2RM2000407	0.88
	NT2RM2000420	F-NT2RM2000420	0.92
	NT2RM2000422	F-NT2RM2000422	0.49
	NT2RM2000452	F-NT2RM2000452	0.93
15	NT2RM2000469	F-NT2RM2000469	0.39
	NT2RM2000490	F-NT2RM2000490	0.90
	NT2RM2000502	F-NT2RM2000502	0.64
	NT2RM2000504	F-NT2RM2000504	0.71
	NT2RM2000522	F-NT2RM2000522	0.91
20	NT2RM2000540	F-NT2RM2000540	0.87
	NT2RM2000556	F-NT2RM2000556	0.91
	NT2RM2000566	F-NT2RM2000566	0.39
	NT2RM2000567	F-NT2RM2000567	0.44
25	NT2RM2000569	F-NT2RM2000569	0.49
	NT2RM2000577	F-NT2RM2000577	0.45
	NT2RM2000581	F-NT2RM2000581	0.72
	NT2RM2000588	F-NT2RM2000588	0.31
30	NT2RM2000594	F-NT2RM2000594	0.79
	NT2RM2000599	F-NT2RM2000599	0.80
	NT2RM2000612	F-NT2RM2000612	0.75
	NT2RM2000623	F-NT2RM2000623	0.72
35	NT2RM2000624	F-NT2RM2000624	0.94
	NT2RM2000635	F-NT2RM2000635	0.73
	NT2RM2000636	F-NT2RM2000636	0.45
	NT2RM2000639	F-NT2RM2000639	0.43
40	NT2RM2000649	F-NT2RM2000649	0.74
	NT2RM2000669	F-NT2RM2000669	0.94
	NT2RM2000691	F-NT2RM2000691	0.84
	NT2RM2000714	F-NT2RM2000714	0.92
45	NT2RM2000718	F-NT2RM2000718	0.52
	NT2RM2000735	F-NT2RM2000735	0.33
	NT2RM2000740	F-NT2RM2000740	0.94
	NT2RM2000795	F-NT2RM2000795	0.44
	NT2RM2000821	F-NT2RM2000821	0.33
50	NT2RM2000837	F-NT2RM2000837	0.57
	NT2RM2000951	F-NT2RM2000951	0.32
	NT2RM2000952	F-NT2RM2000952	0.50
	NT2RM2000984	F-NT2RM2000984	0.76
55	NT2RM2001004	F-NT2RM2001004	0.55
	NT2RM2001035	F-NT2RM2001035	0.82

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	NT2RM2001065	F-NT2RM2001065	0.65
	NT2RM2001100	F-NT2RM2001100	0.89
5	NT2RM2001105	F-NT2RM2001105	0.94
	NT2RM2001131	F-NT2RM2001131	0.94
	NT2RM2001141	F-NT2RM2001141	0.74
	NT2RM2001152	F-NT2RM2001152	0.33
10	NT2RM2001177	F-NT2RM2001177	0.32
	NT2RM2001194	F-NT2RM2001194	0.83
	NT2RM2001196	F-NT2RM2001196	0.42
	NT2RM2001201	F-NT2RM2001201	0.90
15	NT2RM2001221	F-NT2RM2001221	0.39
	NT2RM2001238	F-NT2RM2001238	0.94
	NT2RM2001243	F-NT2RM2001243	0.44
	NT2RM2001247	F-NT2RM2001247	0.42
	NT2RM2001256	F-NT2RM2001256	0.60
20	NT2RM2001291	F-NT2RM2001291	0.39
	NT2RM2001306	F-NT2RM2001306	0.81
	NT2RM2001312	F-NT2RM2001312	0.64
	NT2RM2001319	F-NT2RM2001319	0.53
25	NT2RM2001324	F-NT2RM2001324	0.94
	NT2RM2001345	F-NT2RM2001345	0.94
	NT2RM2001360	F-NT2RM2001360	0.69
	NT2RM2001370	F-NT2RM2001370	0.44
30	NT2RM2001393	F-NT2RM2001393	0.94
	NT2RM2001420	F-NT2RM2001420	0.46
	NT2RM2001424	F-NT2RM2001424	0.94
	NT2RM2001499	F-NT2RM2001499	0.63
35	NT2RM2001504	F-NT2RM2001504	0.94
	NT2RM2001524	F-NT2RM2001524	0.76
	NT2RM2001544	F-NT2RM2001544	0.59
	NT2RM2001547	F-NT2RM2001547	0.48
40	NT2RM2001575	F-NT2RM2001575	0.91
	NT2RM2001582	F-NT2RM2001582	0.34
	NT2RM2001588	F-NT2RM2001588	0.48
	NT2RM2001592	F-NT2RM2001592	0.64
45	NT2RM2001605	F-NT2RM2001605	0.47
	NT2RM2001613	F-NT2RM2001613	0.61
	NT2RM2001632	F-NT2RM2001632	0.31
	NT2RM2001635	F-NT2RM2001635	0.39
	NT2RM2001637	F-NT2RM2001637	0.71
50	NT2RM2001641	F-NT2RM2001641	0.73
	NT2RM2001648	F-NT2RM2001648	0.44
	NT2RM2001652	F-NT2RM2001652	0.40
	NT2RM2001659	F-NT2RM2001659	0.35
55	NT2RM2001664	F-NT2RM2001664	0.53
	NT2RM2001668	F-NT2RM2001668	0.64

	NT2RM2001670	F-NT2RM2001670	0.59
	NT2RM2001671	F-NT2RM2001671	0.41
5	NT2RM2001675	F-NT2RM2001675	0.51
	NT2RM2001681	F-NT2RM2001681	0.33
	NT2RM2001688	F-NT2RM2001688	0.74
	NT2RM2001695	F-NT2RM2001695	0.31
	NT2RM2001696	F-NT2RM2001696	0.94
10	NT2RM2001698	F-NT2RM2001698	0.69
	NT2RM2001699	F-NT2RM2001699	0.85
	NT2RM2001700	F-NT2RM2001700	0.71
	NT2RM2001706	F-NT2RM2001706	0.38
15	NT2RM2001716	F-NT2RM2001716	0.78
	NT2RM2001718	F-NT2RM2001718	0.81
	NT2RM2001723	F-NT2RM2001723	0.83
	NT2RM2001727	F-NT2RM2001727	0.87
20	NT2RM2001730	F-NT2RM2001730	0.94
	NT2RM2001743	F-NT2RM2001743	0.94
	NT2RM2001753	F-NT2RM2001753	0.75
	NT2RM2001760	F-NT2RM2001760	0.75
25	NT2RM2001768	F-NT2RM2001768	0.71
	NT2RM2001771	F-NT2RM2001771	0.33
	NT2RM2001782	F-NT2RM2001782	0.34
	NT2RM2001784	F-NT2RM2001784	0.45
30	NT2RM2001785	F-NT2RM2001785	0.94
	NT2RM2001797	F-NT2RM2001797	0.74
	NT2RM2001800	F-NT2RM2001800	0.90
	NT2RM2001803	F-NT2RM2001803	0.36
35	NT2RM2001805	F-NT2RM2001805	0.81
	NT2RM2001813	F-NT2RM2001813	0.94
	NT2RM2001823	F-NT2RM2001823	0.94
	NT2RM2001839	F-NT2RM2001839	0.39
	NT2RM2001840	F-NT2RM2001840	0.94
40	NT2RM2001855	F-NT2RM2001855	0.92
	NT2RM2001867	F-NT2RM2001867	0.82
	NT2RM2001879	F-NT2RM2001879	0.86
	NT2RM2001886	F-NT2RM2001886	0.91
45	NT2RM2001896	F-NT2RM2001896	0.94
	NT2RM2001903	F-NT2RM2001903	0.61
	NT2RM2001930	F-NT2RM2001930	0.94
	NT2RM2001935	F-NT2RM2001935	0.77
50	NT2RM2001936	F-NT2RM2001936	0.94
	NT2RM2001950	F-NT2RM2001950	0.34
	NT2RM2001982	F-NT2RM2001982	0.48
	NT2RM2001983	F-NT2RM2001983	0.59
55	NT2RM2001989	F-NT2RM2001989	0.94
	NT2RM2001997	F-NT2RM2001997	0.90

	NT2RM2001998	F-NT2RM2001998	0.72
	NT2RM2002004	F-NT2RM2002004	0.46
5	NT2RM2002014	F-NT2RM2002014	0.32
	NT2RM2002030	F-NT2RM2002030	0.54
	NT2RM2002049	F-NT2RM2002049	0.59
	NT2RM2002055	F-NT2RM2002055	0.94
10	NT2RM2002088	F-NT2RM2002088	0.47
	NT2RM2002091	F-NT2RM2002091	0.78
	NT2RM2002100	F-NT2RM2002100	0.87
	NT2RM2002109	F-NT2RM2002109	0.86
15	NT2RM2002128	F-NT2RM2002128	0.42
	NT2RM2002142	F-NT2RM2002142	0.94
	NT2RM2002145	F-NT2RM2002145	0.94
	NT2RM2002178	F-NT2RM2002178	0.44
	NT2RM2002580	F-NT2RM2002580	0.94
20	NT2RM4000024	F-NT2RM4000024	0.76
	NT2RM4000027	F-NT2RM4000027	0.40
	NT2RM4000030	F-NT2RM4000030	0.66
	NT2RM4000061	F-NT2RM4000061	0.33
25	NT2RM4000104	F-NT2RM4000104	0.93
	NT2RM4000139	F-NT2RM4000139	0.87
	NT2RM4000155	F-NT2RM4000155	0.51
	NT2RM4000156	F-NT2RM4000156	0.39
30	NT2RM4000167	F-NT2RM4000167	0.50
	NT2RM4000169	F-NT2RM4000169	0.44
	NT2RM4000191	F-NT2RM4000191	0.94
	NT2RM4000197	F-NT2RM4000197	0.41
35	NT2RM4000199	F-NT2RM4000199	0.76
	NT2RM4000202	F-NT2RM4000202	0.47
	NT2RM4000210	F-NT2RM4000210	0.44
	NT2RM4000215	F-NT2RM4000215	0.94
40	NT2RM4000229	F-NT2RM4000229	0.93
	NT2RM4000233	F-NT2RM4000233	0.74
	NT2RM4000251	F-NT2RM4000251	0.48
	NT2RM4000290	F-NT2RM4000290	0.94
	NT2RM4000324	F-NT2RM4000324	0.32
45	NT2RM4000344	F-NT2RM4000344	0.94
	NT2RM4000349	F-NT2RM4000349	0.78
	NT2RM4000354	F-NT2RM4000354	0.36
	NT2RM4000356	F-NT2RM4000356	0.58
50	NT2RM4000386	F-NT2RM4000386	0.90
	NT2RM4000395	F-NT2RM4000395	0.47
	NT2RM4000421	F-NT2RM4000421	0.46
	NT2RM4000433	F-NT2RM4000433	0.48
55	NT2RM4000457	F-NT2RM4000457	0.75
	NT2RM4000471	F-NT2RM4000471	0.92

	NT2RM4000486	F-NT2RM4000486	0.55
	NT2RM4000496	F-NT2RM4000496	0.62
5	NT2RM4000511	F-NT2RM4000511	0.74
	NT2RM4000514	F-NT2RM4000514	0.72
	NT2RM4000515	F-NT2RM4000515	0.66
	NT2RM4000520	F-NT2RM4000520	0.69
10	NT2RM4000531	F-NT2RM4000531	0.62
	NT2RM4000534	F-NT2RM4000534	0.94
	NT2RM4000585	F-NT2RM4000585	0.52
	NT2RM4000590	F-NT2RM4000590	0.94
15	NT2RM4000595	F-NT2RM4000595	0.44
	NT2RM4000603	F-NT2RM4000603	0.94
	NT2RM4000611	F-NT2RM4000611	0.46
	NT2RM4000616	F-NT2RM4000616	0.94
	NT2RM4000674	F-NT2RM4000674	0.80
20	NT2RM4000689	F-NT2RM4000689	0.58
	NT2RM4000698	F-NT2RM4000698	0.71
	NT2RM4000700	F-NT2RM4000700	0.59
	NT2RM4000712	F-NT2RM4000712	0.94
25	NT2RM4000717	F-NT2RM4000717	0.69
	NT2RM4000733	F-NT2RM4000733	0.94
	NT2RM4000734	F-NT2RM4000734	0.42
	NT2RM4000741	F-NT2RM4000741	0.83
30	NT2RM4000751	F-NT2RM4000751	0.91
	NT2RM4000764	F-NT2RM4000764	0.35
	NT2RM4000778	F-NT2RM4000778	0.90
	NT2RM4000787	F-NT2RM4000787	0.40
35	NT2RM4000790	F-NT2RM4000790	0.62
	NT2RM4000795	F-NT2RM4000795	0.94
	NT2RM4000796	F-NT2RM4000796	0.93
	NT2RM4000798	F-NT2RM4000798	0.61
40	NT2RM4000813	F-NT2RM4000813	0.58
	NT2RM4000820	F-NT2RM4000820	0.39
	NT2RM4000833	F-NT2RM4000833	0.80
	NT2RM4000848	F-NT2RM4000848	0.73
	NT2RM4000852	F-NT2RM4000852	0.74
45	NT2RM4000887	F-NT2RM4000887	0.42
	NT2RM4000895	F-NT2RM4000895	0.47
	NT2RM4000950	F-NT2RM4000950	0.53
	NT2RM4000971	F-NT2RM4000971	0.73
50	NT2RM4000996	F-NT2RM4000996	0.42
	NT2RM4001002	F-NT2RM4001002	0.57
	NT2RM4001032	F-NT2RM4001032	0.94
	NT2RM4001047	F-NT2RM4001047	0.76
55	NT2RM4001054	F-NT2RM4001054	0.91
	NT2RM4001084	F-NT2RM4001084	0.94

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	NT2RM4001092	F-NT2RM4001092	0.94
	NT2RM4001116	F-NT2RM4001116	0.36
5	NT2RM4001140	F-NT2RM4001140	0.82
	NT2RM4001151	F-NT2RM4001151	0.94
	NT2RM4001155	F-NT2RM4001155	0.94
	NT2RM4001187	F-NT2RM4001187	0.61
10	NT2RM4001191	F-NT2RM4001191	0.77
	NT2RM4001200	F-NT2RM4001200	0.72
	NT2RM4001203	F-NT2RM4001203	0.60
	NT2RM4001204	F-NT2RM4001204	0.89
	NT2RM4001217	F-NT2RM4001217	0.93
15	NT2RM4001256	F-NT2RM4001256	0.89
	NT2RM4001258	F-NT2RM4001258	0.94
	NT2RM4001309	F-NT2RM4001309	0.88
	NT2RM4001316	F-NT2RM4001316	0.38
20	NT2RM4001320	F-NT2RM4001320	0.33
	NT2RM4001340	F-NT2RM4001340	0.83
	NT2RM4001344	F-NT2RM4001344	0.94
	NT2RM4001347	F-NT2RM4001347	0.88
25	NT2RM4001371	F-NT2RM4001371	0.61
	NT2RM4001382	F-NT2RM4001382	0.93
	NT2RM4001384	F-NT2RM4001384	0.32
	NT2RM4001410	F-NT2RM4001410	0.94
30	NT2RM4001411	F-NT2RM4001411	0.47
	NT2RM4001412	F-NT2RM4001412	0.85
	NT2RM4001444	F-NT2RM4001444	0.94
	NT2RM4001454	F-NT2RM4001454	0.72
35	NT2RM4001455	F-NT2RM4001455	0.39
	NT2RM4001483	F-NT2RM4001483	0.76
	NT2RM4001489	F-NT2RM4001489	0.94
	NT2RM4001522	F-NT2RM4001522	0.88
	NT2RM4001565	F-NT2RM4001565	0.78
40	NT2RM4001566	F-NT2RM4001566	0.87
	NT2RM4001569	F-NT2RM4001569	0.70
	NT2RM4001582	F-NT2RM4001582	0.76
	NT2RM4001592	F-NT2RM4001592	0.31
45	NT2RM4001594	F-NT2RM4001594	0.86
	NT2RM4001597	F-NT2RM4001597	0.91
	NT2RM4001611	F-NT2RM4001611	0.91
	NT2RM4001629	F-NT2RM4001629	0.72
50	NT2RM4001650	F-NT2RM4001650	0.37
	NT2RM4001662	F-NT2RM4001662	0.70
	NT2RM4001666	F-NT2RM4001666	0.37
	NT2RM4001682	F-NT2RM4001682	0.91
55	NT2RM4001710	F-NT2RM4001710	0.45
	NT2RM4001714	F-NT2RM4001714	0.94

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	NT2RM4001715	F-NT2RM4001715	0.33
	NT2RM4001731	F-NT2RM4001731	0.94
5	NT2RM4001741	F-NT2RM4001741	0.87
	NT2RM4001746	F-NT2RM4001746	0.81
	NT2RM4001758	F-NT2RM4001758	0.59
	NT2RM4001783	F-NT2RM4001783	0.68
10	NT2RM4001813	F-NT2RM4001813	0.39
	NT2RM4001819	F-NT2RM4001819	0.43
	NT2RM4001823	F-NT2RM4001823	0.94
	NT2RM4001828	F-NT2RM4001828	0.83
15	NT2RM4001836	F-NT2RM4001836	0.61
	NT2RM4001841	F-NT2RM4001841	0.37
	NT2RM4001842	F-NT2RM4001842	0.68
	NT2RM4001865	F-NT2RM4001865	0.91
	NT2RM4001876	F-NT2RM4001876	0.88
20	NT2RM4001880	F-NT2RM4001880	0.43
	NT2RM4001905	F-NT2RM4001905	0.94
	NT2RM4001922	F-NT2RM4001922	0.48
	NT2RM4001938	F-NT2RM4001938	0.67
25	NT2RM4001940	F-NT2RM4001940	0.92
	NT2RM4001965	F-NT2RM4001965	0.94
	NT2RM4001969	F-NT2RM4001969	0.88
	NT2RM4001979	F-NT2RM4001979	0.42
30	NT2RM4001987	F-NT2RM4001987	0.86
	NT2RM4002013	F-NT2RM4002013	0.94
	NT2RM4002018	F-NT2RM4002018	0.92
	NT2RM4002034	F-NT2RM4002034	0.43
35	NT2RM4002044	F-NT2RM4002044	0.42
	NT2RM4002054	F-NT2RM4002054	0.88
	NT2RM4002055	F-NT2RM4002055	0.32
	NT2RM4002062	F-NT2RM4002062	0.87
40	NT2RM4002063	F-NT2RM4002063	0.49
	NT2RM4002066	F-NT2RM4002066	0.39
	NT2RM4002073	F-NT2RM4002073	0.78
	NT2RM4002075	F-NT2RM4002075	0.87
	NT2RM4002093	F-NT2RM4002093	0.82
45	NT2RM4002109	F-NT2RM4002109	0.52
	NT2RM4002128	F-NT2RM4002128	0.68
	NT2RM4002140	F-NT2RM4002140	0.94
	NT2RM4002145	F-NT2RM4002145	0.94
50	NT2RM4002146	F-NT2RM4002146	0.89
	NT2RM4002161	F-NT2RM4002161	0.49
	NT2RM4002174	F-NT2RM4002174	0.36
	NT2RM4002189	F-NT2RM4002189	0.34
55	NT2RM4002194	F-NT2RM4002194	0.73
	NT2RM4002205	F-NT2RM4002205	0.94

	NT2RM4002213	F-NT2RM4002213	0.52
	NT2RM4002226	F-NT2RM4002226	0.48
5	NT2RM4002251	F-NT2RM4002251	0.94
	NT2RM4002256	F-NT2RM4002256	0.93
	NT2RM4002266	F-NT2RM4002266	0.73
	NT2RM4002294	F-NT2RM4002294	0.86
10	NT2RM4002301	F-NT2RM4002301	0.40
	NT2RM4002323	F-NT2RM4002323	0.81
	NT2RM4002339	F-NT2RM4002339	0.32
	NT2RM4002344	F-NT2RM4002344	0.87
15	NT2RM4002373	F-NT2RM4002373	0.41
	NT2RM4002374	F-NT2RM4002374	0.33
	NT2RM4002398	F-NT2RM4002398	0.94
	NT2RM4002409	F-NT2RM4002409	0.82
	NT2RM4002446	F-NT2RM4002446	0.61
20	NT2RM4002452	F-NT2RM4002452	0.47
	NT2RM4002457	F-NT2RM4002457	0.92
	NT2RM4002460	F-NT2RM4002460	0.61
	NT2RM4002482	F-NT2RM4002482	0.94
25	NT2RM4002493	F-NT2RM4002493	0.39
	NT2RM4002527	F-NT2RM4002527	0.64
	NT2RM4002534	F-NT2RM4002534	0.76
	NT2RM4002558	F-NT2RM4002558	0.62
30	NT2RM4002565	F-NT2RM4002565	0.54
	NT2RM4002571	F-NT2RM4002571	0.90
	NT2RM4002593	F-NT2RM4002593	0.91
	NT2RM4002594	F-NT2RM4002594	0.70
35	NT2RM4002623	F-NT2RM4002623	0.81
	NT2RP1000018	F-NT2RP1000018	0.31
	NT2RP1000035	F-NT2RP1000035	0.49
	NT2RP1000040	F-NT2RP1000040	0.45
40	NT2RP1000063	F-NT2RP1000063	0.90
	NT2RP1000086	F-NT2RP1000086	0.89
	NT2RP1000101	F-NT2RP1000101	0.76
	NT2RP1000111	F-NT2RP1000111	0.94
45	NT2RP1000112	F-NT2RP1000112	0.45
	NT2RP1000124	F-NT2RP1000124	0.94
	NT2RP1000130	F-NT2RP1000130	0.69
	NT2RP1000163	F-NT2RP1000163	0.90
	NT2RP1000170	F-NT2RP1000170	0.94
50	NT2RP1000174	F-NT2RP1000174	0.74
	NT2RP1000191	F-NT2RP1000191	0.76
	NT2RP1000202	F-NT2RP1000202	0.60
	NT2RP1000243	F-NT2RP1000243	0.81
55	NT2RP1000259	F-NT2RP1000259	0.79
	NT2RP1000272	F-NT2RP1000272	0.94

	NT2RP1000324	F-NT2RP1000324	0.32
	NT2RP1000326	F-NT2RP1000326	0.94
5	NT2RP1000333	F-NT2RP1000333	0.94
	NT2RP1000348	F-NT2RP1000348	0.94
	NT2RP1000357	F-NT2RP1000357	0.87
	NT2RP1000358	F-NT2RP1000358	0.79
10	NT2RP1000363	F-NT2RP1000363	0.40
	NT2RP1000376	F-NT2RP1000376	0.61
	NT2RP1000409	F-NT2RP1000409	0.85
	NT2RP1000413	F-NT2RP1000413	0.42
	NT2RP1000416	F-NT2RP1000416	0.68
15	NT2RP1000418	F-NT2RP1000418	0.88
	NT2RP1000439	F-NT2RP1000439	0.69
	NT2RP1000443	F-NT2RP1000443	0.59
	NT2RP1000460	F-NT2RP1000460	0.86
20	NT2RP1000470	F-NT2RP1000470	0.56
	NT2RP1000478	F-NT2RP1000478	0.87
	NT2RP1000481	F-NT2RP1000481	0.58
	NT2RP1000493	F-NT2RP1000493	0.34
25	NT2RP1000513	F-NT2RP1000513	0.89
	NT2RP1000522	F-NT2RP1000522	0.34
	NT2RP1000547	F-NT2RP1000547	0.89
	NT2RP1000574	F-NT2RP1000574	0.74
30	NT2RP1000577	F-NT2RP1000577	0.53
	NT2RP1000581	F-NT2RP1000581	0.66
	NT2RP1000609	F-NT2RP1000609	0.90
	NT2RP1000629	F-NT2RP1000629	0.94
35	NT2RP1000630	F-NT2RP1000630	0.93
	NT2RP1000677	F-NT2RP1000677	0.94
	NT2RP1000688	F-NT2RP1000688	0.94
	NT2RP1000695	F-NT2RP1000695	0.89
40	NT2RP1000701	F-NT2RP1000701	0.89
	NT2RP1000721	F-NT2RP1000721	0.91
	NT2RP1000730	F-NT2RP1000730	0.94
	NT2RP1000733	F-NT2RP1000733	0.90
	NT2RP1000738	F-NT2RP1000738	0.64
45	NT2RP1000746	F-NT2RP1000746	0.92
	NT2RP1000767	F-NT2RP1000767	0.82
	NT2RP1000782	F-NT2RP1000782	0.94
	NT2RP1000796	F-NT2RP1000796	0.33
50	NT2RP1000825	F-NT2RP1000825	0.74
	NT2RP1000833	F-NT2RP1000833	0.94
	NT2RP1000834	F-NT2RP1000834	0.88
	NT2RP1000836	F-NT2RP1000836	0.59
	NT2RP1000846	F-NT2RP1000846	0.46
55	NT2RP1000851	F-NT2RP1000851	0.82

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	NT2RP1000856	F-NT2RP1000856	0.94
	NT2RP1000860	F-NT2RP1000860	0.60
5	NT2RP1000902	F-NT2RP1000902	0.42
	NT2RP1000915	F-NT2RP1000915	0.90
	NT2RP1000916	F-NT2RP1000916	0.67
	NT2RP1000943	F-NT2RP1000943	0.77
10	NT2RP1000944	F-NT2RP1000944	0.94
	NT2RP1000947	F-NT2RP1000947	0.38
	NT2RP1000954	F-NT2RP1000954	0.59
	NT2RP1000958	F-NT2RP1000958	0.59
15	NT2RP1000959	F-NT2RP1000959	0.74
	NT2RP1000966	F-NT2RP1000966	0.93
	NT2RP1000980	F-NT2RP1000980	0.31
	NT2RP1000988	F-NT2RP1000988	0.53
	NT2RP1001011	F-NT2RP1001011	0.65
20	NT2RP1001013	F-NT2RP1001013	0.34
	NT2RP1001014	F-NT2RP1001014	0.94
	NT2RP1001033	F-NT2RP1001033	0.40
	NT2RP1001073	F-NT2RP1001073	0.74
25	NT2RP1001079	F-NT2RP1001079	0.48
	NT2RP1001080	F-NT2RP1001080	0.91
	NT2RP1001113	F-NT2RP1001113	0.94
	NT2RP1001173	F-NT2RP1001173	0.57
30	NT2RP1001177	F-NT2RP1001177	0.75
	NT2RP1001185	F-NT2RP1001185	0.94
	NT2RP1001199	F-NT2RP1001199	0.42
	NT2RP1001247	F-NT2RP1001247	0.67
35	NT2RP1001248	F-NT2RP1001248	0.89
	NT2RP1001253	F-NT2RP1001253	0.94
	NT2RP1001286	F-NT2RP1001286	0.59
	NT2RP1001294	F-NT2RP1001294	0.81
40	NT2RP1001302	F-NT2RP1001302	0.86
	NT2RP1001310	F-NT2RP1001310	0.91
	NT2RP1001311	F-NT2RP1001311	0.87
	NT2RP1001313	F-NT2RP1001313	0.91
	NT2RP1001361	F-NT2RP1001361	0.83
45	NT2RP1001385	F-NT2RP1001385	0.36
	NT2RP1001395	F-NT2RP1001395	0.84
	NT2RP1001410	F-NT2RP1001410	0.72
	NT2RP1001424	F-NT2RP1001424	0.81
50	NT2RP1001432	F-NT2RP1001432	0.81
	NT2RP1001449	F-NT2RP1001449	0.77
	NT2RP1001457	F-NT2RP1001457	0.92
	NT2RP1001466	F-NT2RP1001466	0.44
55	NT2RP1001475	F-NT2RP1001475	0.53
	NT2RP1001482	F-NT2RP1001482	0.34

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	NT2RP1001494	F-NT2RP1001494	0.93
	NT2RP1001543	F-NT2RP1001543	0.94
5	NT2RP1001546	F-NT2RP1001546	0.94
	NT2RP1001569	F-NT2RP1001569	0.93
	NT2RP1001616	F-NT2RP1001616	0.46
	NT2RP1001665	F-NT2RP1001665	0.94
10	NT2RP2000001	F-NT2RP2000001	0.94
	NT2RP2000006	F-NT2RP2000006	0.74
	NT2RP2000007	F-NT2RP2000007	0.94
	NT2RP2000008	F-NT2RP2000008	0.83
15	NT2RP2000032	F-NT2RP2000032	0.94
	NT2RP2000040	F-NT2RP2000040	0.92
	NT2RP2000045	F-NT2RP2000045	0.94
	NT2RP2000054	F-NT2RP2000054	0.53
	NT2RP2000056	F-NT2RP2000056	0.42
20	NT2RP2000067	F-NT2RP2000067	0.88
	NT2RP2000070	F-NT2RP2000070	0.48
	NT2RP2000079	F-NT2RP2000079	0.85
	NT2RP2000088	F-NT2RP2000088	0.94
25	NT2RP2000091	F-NT2RP2000091	0.79
	NT2RP2000097	F-NT2RP2000097	0.66
	NT2RP2000114	F-NT2RP2000114	0.86
	NT2RP2000120	F-NT2RP2000120	0.48
30	NT2RP2000126	F-NT2RP2000126	0.77
	NT2RP2000133	F-NT2RP2000133	0.64
	NT2RP2000147	F-NT2RP2000147	0.94
	NT2RP2000153	F-NT2RP2000153	0.87
35	NT2RP2000157	F-NT2RP2000157	0.48
	NT2RP2000161	F-NT2RP2000161	0.79
	NT2RP2000173	F-NT2RP2000173	0.75
	NT2RP2000175	F-NT2RP2000175	0.79
40	NT2RP2000195	F-NT2RP2000195	0.91
	NT2RP2000205	F-NT2RP2000205	0.94
	NT2RP2000208	F-NT2RP2000208	0.84
	NT2RP2000224	F-NT2RP2000224	0.52
45	NT2RP2000232	F-NT2RP2000232	0.33
	NT2RP2000233	F-NT2RP2000233	0.57
	NT2RP2000239	F-NT2RP2000239	0.52
	NT2RP2000248	F-NT2RP2000248	0.36
	NT2RP2000274	F-NT2RP2000274	0.55
50	NT2RP2000283	F-NT2RP2000283	0.61
	NT2RP2000288	F-NT2RP2000288	0.31
	NT2RP2000297	F-NT2RP2000297	0.78
	NT2RP2000298	F-NT2RP2000298	0.94
55	NT2RP2000310	F-NT2RP2000310	0.52
	NT2RP2000328	F-NT2RP2000328	0.75

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	NT2RP2000329	F-NT2RP2000329	0.94
	NT2RP2000346	F-NT2RP2000346	0.62
5	NT2RP2000369	F-NT2RP2000369	0.87
	NT2RP2000412	F-NT2RP2000412	0.75
	NT2RP2000414	F-NT2RP2000414	0.79
	NT2RP2000422	F-NT2RP2000422	0.46
10	NT2RP2000438	F-NT2RP2000438	0.94
	NT2RP2000448	F-NT2RP2000448	0.94
	NT2RP2000503	F-NT2RP2000503	0.94
	NT2RP2000510	F-NT2RP2000510	0.87
15	NT2RP2000516	F-NT2RP2000516	0.42
	NT2RP2000617	F-NT2RP2000617	0.94
	NT2RP2000634	F-NT2RP2000634	0.74
	NT2RP2000656	F-NT2RP2000656	0.68
	NT2RP2000658	F-NT2RP2000658	0.55
20	NT2RP2000668	F-NT2RP2000668	0.81
	NT2RP2000704	F-NT2RP2000704	0.88
	NT2RP2000710	F-NT2RP2000710	0.58
	NT2RP2000764	F-NT2RP2000764	0.59
25	NT2RP2000809	F-NT2RP2000809	0.51
	NT2RP2000812	F-NT2RP2000812	0.37
	NT2RP2000814	F-NT2RP2000814	0.66
	NT2RP2000816	F-NT2RP2000816	0.50
30	NT2RP2000819	F-NT2RP2000819	0.35
	NT2RP2000841	F-NT2RP2000841	0.93
	NT2RP2000845	F-NT2RP2000845	0.78
	NT2RP2000863	F-NT2RP2000863	0.41
35	NT2RP2000880	F-NT2RP2000880	0.79
	NT2RP2000892	F-NT2RP2000892	0.94
	NT2RP2000931	F-NT2RP2000931	0.89
	NT2RP2000932	F-NT2RP2000932	0.94
40	NT2RP2000938	F-NT2RP2000938	0.90
	NT2RP2000943	F-NT2RP2000943	0.61
	NT2RP2000965	F-NT2RP2000965	0.80
	NT2RP2000985	F-NT2RP2000985	0.94
45	NT2RP2001036	F-NT2RP2001036	0.86
	NT2RP2001044	F-NT2RP2001044	0.93
	NT2RP2001056	F-NT2RP2001056	0.77
	NT2RP2001065	F-NT2RP2001065	0.73
	NT2RP2001070	F-NT2RP2001070	0.91
50	NT2RP2001081	F-NT2RP2001081	0.94
	NT2RP2001094	F-NT2RP2001094	0.93
	NT2RP2001119	F-NT2RP2001119	0.31
	NT2RP2001127	F-NT2RP2001127	0.41
55	NT2RP2001137	F-NT2RP2001137	0.93
	NT2RP2001168	F-NT2RP2001168	0.71

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	NT2RP2001173	F-NT2RP2001173	0.94
	NT2RP2001174	F-NT2RP2001174	0.71
5	NT2RP2001218	F-NT2RP2001218	0.76
	NT2RP2001233	F-NT2RP2001233	0.31
	NT2RP2001245	F-NT2RP2001245	0.33
	NT2RP2001268	F-NT2RP2001268	0.61
10	NT2RP2001327	F-NT2RP2001327	0.86
	NT2RP2001328	F-NT2RP2001328	0.94
	NT2RP2001366	F-NT2RP2001366	0.52
	NT2RP2001378	F-NT2RP2001378	0.64
15	NT2RP2001381	F-NT2RP2001381	0.80
	NT2RP2001392	F-NT2RP2001392	0.69
	NT2RP2001394	F-NT2RP2001394	0.38
	NT2RP2001397	F-NT2RP2001397	0.79
	NT2RP2001420	F-NT2RP2001420	0.88
20	NT2RP2001427	F-NT2RP2001427	0.73
	NT2RP2001436	F-NT2RP2001436	0.32
	NT2RP2001440	F-NT2RP2001440	0.94
	NT2RP2001450	F-NT2RP2001450	0.38
25	NT2RP2001511	F-NT2RP2001511	0.53
	NT2RP2001520	F-NT2RP2001520	0.88
	NT2RP2001536	F-NT2RP2001536	0.64
	NT2RP2001560	F-NT2RP2001560	0.79
30	NT2RP2001576	F-NT2RP2001576	0.62
	NT2RP2001581	F-NT2RP2001581	0.48
	NT2RP2001597	F-NT2RP2001597	0.94
	NT2RP2001601	F-NT2RP2001601	0.33
35	NT2RP2001613	F-NT2RP2001613	0.41
	NT2RP2001628	F-NT2RP2001628	0.79
	NT2RP2001634	F-NT2RP2001634	0.87
	NT2RP2001660	F-NT2RP2001660	0.86
40	NT2RP2001675	F-NT2RP2001675	0.90
	NT2RP2001721	F-NT2RP2001721	0.32
	NT2RP2001748	F-NT2RP2001748	0.32
	NT2RP2001839	F-NT2RP2001839	0.83
	NT2RP2001861	F-NT2RP2001861	0.33
45	NT2RP2001876	F-NT2RP2001876	0.94
	NT2RP2001883	F-NT2RP2001883	0.90
	NT2RP2001898	F-NT2RP2001898	0.94
	NT2RP2001900	F-NT2RP2001900	0.93
50	NT2RP2001907	F-NT2RP2001907	0.94
	NT2RP2001946	F-NT2RP2001946	0.63
	NT2RP2001947	F-NT2RP2001947	0.75
	NT2RP2001969	F-NT2RP2001969	0.94
55	NT2RP2001976	F-NT2RP2001976	0.48
	NT2RP2001985	F-NT2RP2001985	0.44

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	NT2RP2001991	F-NT2RP2001991	0.39
	NT2RP2002025	F-NT2RP2002025	0.94
5	NT2RP2002033	F-NT2RP2002033	0.40
	NT2RP2002046	F-NT2RP2002046	0.56
	NT2RP2002058	F-NT2RP2002058	0.64
	NT2RP2002076	F-NT2RP2002076	0.40
10	NT2RP2002078	F-NT2RP2002078	0.81
	NT2RP2002079	F-NT2RP2002079	0.82
	NT2RP2002099	F-NT2RP2002099	0.92
	NT2RP2002154	F-NT2RP2002154	0.44
15	NT2RP2002185	F-NT2RP2002185	0.94
	NT2RP2002193	F-NT2RP2002193	0.48
	NT2RP2002208	F-NT2RP2002208	0.49
	NT2RP2002231	F-NT2RP2002231	0.61
	NT2RP2002235	F-NT2RP2002235	0.87
20	NT2RP2002252	F-NT2RP2002252	0.51
	NT2RP2002270	F-NT2RP2002270	0.78
	NT2RP2002292	F-NT2RP2002292	0.94
	NT2RP2002312	F-NT2RP2002312	0.33
25	NT2RP2002325	F-NT2RP2002325	0.53
	NT2RP2002333	F-NT2RP2002333	0.60
	NT2RP2002373	F-NT2RP2002373	0.91
	NT2RP2002385	F-NT2RP2002385	0.94
30	NT2RP2002408	F-NT2RP2002408	0.44
	NT2RP2002426	F-NT2RP2002426	0.54
	NT2RP2002442	F-NT2RP2002442	0.37
	NT2RP2002464	F-NT2RP2002464	0.79
35	NT2RP2002479	F-NT2RP2002479	0.92
	NT2RP2002498	F-NT2RP2002498	0.94
	NT2RP2002503	F-NT2RP2002503	0.90
	NT2RP2002520	F-NT2RP2002520	0.37
40	NT2RP2002537	F-NT2RP2002537	0.42
	NT2RP2002549	F-NT2RP2002549	0.75
	NT2RP2002595	F-NT2RP2002595	0.90
	NT2RP2002609	F-NT2RP2002609	0.33
45	NT2RP2002618	F-NT2RP2002618	0.52
	NT2RP2002621	F-NT2RP2002621	0.67
	NT2RP2002672	F-NT2RP2002672	0.43
	NT2RP2002701	F-NT2RP2002701	0.69
	NT2RP2002706	F-NT2RP2002706	0.51
50	NT2RP2002710	F-NT2RP2002710	0.94
	NT2RP2002769	F-NT2RP2002769	0.42
	NT2RP2002800	F-NT2RP2002800	0.47
	NT2RP2002862	F-NT2RP2002862	0.88
55	NT2RP2002880	F-NT2RP2002880	0.78
	NT2RP2002891	F-NT2RP2002891	0.69

	NT2RP2002925	F-NT2RP2002925	0.65
	NT2RP2002928	F-NT2RP2002928	0.47
5	NT2RP2002929	F-NT2RP2002929	0.94
	NT2RP2002939	F-NT2RP2002939	0.94
	NT2RP2002954	F-NT2RP2002954	0.94
	NT2RP2002959	F-NT2RP2002959	0.45
10	NT2RP2002979	F-NT2RP2002979	0.51
	NT2RP2002980	F-NT2RP2002980	0.38
	NT2RP2002986	F-NT2RP2002986	0.34
	NT2RP2002993	F-NT2RP2002993	0.94
	NT2RP2003034	F-NT2RP2003034	0.34
15	NT2RP2003099	F-NT2RP2003099	0.46
	NT2RP2003108	F-NT2RP2003108	0.67
	NT2RP2003117	F-NT2RP2003117	0.57
	NT2RP2003121	F-NT2RP2003121	0.94
20	NT2RP2003125	F-NT2RP2003125	0.94
	NT2RP2003137	F-NT2RP2003137	0.60
	NT2RP2003157	F-NT2RP2003157	0.94
	NT2RP2003158	F-NT2RP2003158	0.75
25	NT2RP2003165	F-NT2RP2003165	0.90
	NT2RP2003177	F-NT2RP2003177	0.85
	NT2RP2003194	F-NT2RP2003194	0.94
	NT2RP2003228	F-NT2RP2003228	0.57
30	NT2RP2003243	F-NT2RP2003243	0.94
	NT2RP2003265	F-NT2RP2003265	0.68
	NT2RP2003272	F-NT2RP2003272	0.94
	NT2RP2003277	F-NT2RP2003277	0.73
	NT2RP2003280	F-NT2RP2003280	0.94
35	NT2RP2003286	F-NT2RP2003286	0.44
	NT2RP2003293	F-NT2RP2003293	0.42
	NT2RP2003295	F-NT2RP2003295	0.89
	NT2RP2003297	F-NT2RP2003297	0.94
40	NT2RP2003307	F-NT2RP2003307	0.79
	NT2RP2003308	F-NT2RP2003308	0.49
	NT2RP2003329	F-NT2RP2003329	0.33
	NT2RP2003347	F-NT2RP2003347	0.79
45	NT2RP2003367	F-NT2RP2003367	0.94
	NT2RP2003391	F-NT2RP2003391	0.90
	NT2RP2003393	F-NT2RP2003393	0.94
	NT2RP2003401	F-NT2RP2003401	0.80
50	NT2RP2003433	F-NT2RP2003433	0.40
	NT2RP2003445	F-NT2RP2003445	0.94
	NT2RP2003446	F-NT2RP2003446	0.40
	NT2RP2003466	F-NT2RP2003466	0.58
55	NT2RP2003480	F-NT2RP2003480	0.59
	NT2RP2003506	F-NT2RP2003506	0.94

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	NT2RP2003511	F-NT2RP2003511	0. 31
	NT2RP2003513	F-NT2RP2003513	0. 67
5	NT2RP2003533	F-NT2RP2003533	0. 57
	NT2RP2003543	F-NT2RP2003543	0. 94
	NT2RP2003564	F-NT2RP2003564	0. 88
	NT2RP2003567	F-NT2RP2003567	0. 69
10	NT2RP2003581	F-NT2RP2003581	0. 40
	NT2RP2003596	F-NT2RP2003596	0. 83
	NT2RP2003604	F-NT2RP2003604	0. 87
	NT2RP2003629	F-NT2RP2003629	0. 87
	NT2RP2003643	F-NT2RP2003643	0. 94
15	NT2RP2003687	F-NT2RP2003687	0. 31
	NT2RP2003691	F-NT2RP2003691	0. 34
	NT2RP2003702	F-NT2RP2003702	0. 80
	NT2RP2003713	F-NT2RP2003713	0. 53
20	NT2RP2003714	F-NT2RP2003714	0. 61
	NT2RP2003737	F-NT2RP2003737	0. 88
	NT2RP2003751	F-NT2RP2003751	0. 36
	NT2RP2003760	F-NT2RP2003760	0. 62
25	NT2RP2003764	F-NT2RP2003764	0. 94
	NT2RP2003769	F-NT2RP2003769	0. 69
	NT2RP2003777	F-NT2RP2003777	0. 93
	NT2RP2003781	F-NT2RP2003781	0. 37
30	NT2RP2003793	F-NT2RP2003793	0. 92
	NT2RP2003825	F-NT2RP2003825	0. 49
	NT2RP2003840	F-NT2RP2003840	0. 88
	NT2RP2003857	F-NT2RP2003857	0. 34
35	NT2RP2003952	F-NT2RP2003952	0. 89
	NT2RP2003976	F-NT2RP2003976	0. 33
	NT2RP2003981	F-NT2RP2003981	0. 64
	NT2RP2003984	F-NT2RP2003984	0. 41
	NT2RP2003986	F-NT2RP2003986	0. 32
40	NT2RP2004013	F-NT2RP2004013	0. 48
	NT2RP2004041	F-NT2RP2004041	0. 78
	NT2RP2004042	F-NT2RP2004042	0. 66
	NT2RP2004066	F-NT2RP2004066	0. 56
45	NT2RP2004081	F-NT2RP2004081	0. 94
	NT2RP2004098	F-NT2RP2004098	0. 39
	NT2RP2004124	F-NT2RP2004124	0. 75
	NT2RP2004152	F-NT2RP2004152	0. 54
50	NT2RP2004165	F-NT2RP2004165	0. 68
	NT2RP2004187	F-NT2RP2004187	0. 92
	NT2RP2004194	F-NT2RP2004194	0. 90
	NT2RP2004196	F-NT2RP2004196	0. 94
55	NT2RP2004226	F-NT2RP2004226	0. 80
	NT2RP2004239	F-NT2RP2004239	0. 63

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	NT2RP2004240	F-NT2RP2004240	0.86
	NT2RP2004242	F-NT2RP2004242	0.94
5	NT2RP2004245	F-NT2RP2004245	0.92
	NT2RP2004316	F-NT2RP2004316	0.33
	NT2RP2004364	F-NT2RP2004364	0.75
	NT2RP2004365	F-NT2RP2004365	0.43
10	NT2RP2004366	F-NT2RP2004366	0.32
	NT2RP2004373	F-NT2RP2004373	0.60
	NT2RP2004389	F-NT2RP2004389	0.94
	NT2RP2004392	F-NT2RP2004392	0.93
15	NT2RP2004399	F-NT2RP2004399	0.36
	NT2RP2004463	F-NT2RP2004463	0.43
	NT2RP2004476	F-NT2RP2004476	0.80
	NT2RP2004538	F-NT2RP2004538	0.94
20	NT2RP2004551	F-NT2RP2004551	0.47
	NT2RP2004568	F-NT2RP2004568	0.73
	NT2RP2004594	F-NT2RP2004594	0.64
	NT2RP2004600	F-NT2RP2004600	0.53
25	NT2RP2004602	F-NT2RP2004602	0.33
	NT2RP2004614	F-NT2RP2004614	0.34
	NT2RP2004655	F-NT2RP2004655	0.77
	NT2RP2004664	F-NT2RP2004664	0.94
	NT2RP2004689	F-NT2RP2004689	0.83
30	NT2RP2004710	F-NT2RP2004710	0.94
	NT2RP2004743	F-NT2RP2004743	0.32
	NT2RP2004768	F-NT2RP2004768	0.53
	NT2RP2004791	F-NT2RP2004791	0.64
35	NT2RP2004799	F-NT2RP2004799	0.42
	NT2RP2004802	F-NT2RP2004802	0.88
	NT2RP2004816	F-NT2RP2004816	0.78
	NT2RP2004841	F-NT2RP2004841	0.61
40	NT2RP2004861	F-NT2RP2004861	0.32
	NT2RP2004897	F-NT2RP2004897	0.67
	NT2RP2004933	F-NT2RP2004933	0.94
	NT2RP2004936	F-NT2RP2004936	0.53
45	NT2RP2004959	F-NT2RP2004959	0.78
	NT2RP2004978	F-NT2RP2004978	0.86
	NT2RP2004985	F-NT2RP2004985	0.42
	NT2RP2004999	F-NT2RP2004999	0.55
50	NT2RP2005000	F-NT2RP2005000	0.40
	NT2RP2005001	F-NT2RP2005001	0.94
	NT2RP2005003	F-NT2RP2005003	0.44
	NT2RP2005012	F-NT2RP2005012	0.73
	NT2RP2005018	F-NT2RP2005018	0.43
55	NT2RP2005022	F-NT2RP2005022	0.34
	NT2RP2005037	F-NT2RP2005037	0.94

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	NT2RP2005038	F-NT2RP2005038	0.56
	NT2RP2005116	F-NT2RP2005116	0.94
5	NT2RP2005126	F-NT2RP2005126	0.69
	NT2RP2005139	F-NT2RP2005139	0.94
	NT2RP2005140	F-NT2RP2005140	0.32
	NT2RP2005144	F-NT2RP2005144	0.39
	NT2RP2005147	F-NT2RP2005147	0.32
10	NT2RP2005159	F-NT2RP2005159	0.52
	NT2RP2005162	F-NT2RP2005162	0.86
	NT2RP2005168	F-NT2RP2005168	0.53
	NT2RP2005204	F-NT2RP2005204	0.94
15	NT2RP2005227	F-NT2RP2005227	0.53
	NT2RP2005239	F-NT2RP2005239	0.91
	NT2RP2005270	F-NT2RP2005270	0.72
	NT2RP2005276	F-NT2RP2005276	0.41
20	NT2RP2005287	F-NT2RP2005287	0.44
	NT2RP2005288	F-NT2RP2005288	0.82
	NT2RP2005315	F-NT2RP2005315	0.79
	NT2RP2005358	F-NT2RP2005358	0.94
25	NT2RP2005393	F-NT2RP2005393	0.41
	NT2RP2005436	F-NT2RP2005436	0.45
	NT2RP2005441	F-NT2RP2005441	0.88
	NT2RP2005453	F-NT2RP2005453	0.59
30	NT2RP2005457	F-NT2RP2005457	0.56
	NT2RP2005464	F-NT2RP2005464	0.72
	NT2RP2005465	F-NT2RP2005465	0.40
	NT2RP2005472	F-NT2RP2005472	0.42
	NT2RP2005490	F-NT2RP2005490	0.52
35	NT2RP2005495	F-NT2RP2005495	0.94
	NT2RP2005496	F-NT2RP2005496	0.52
	NT2RP2005498	F-NT2RP2005498	0.74
	NT2RP2005509	F-NT2RP2005509	0.55
40	NT2RP2005520	F-NT2RP2005520	0.54
	NT2RP2005525	F-NT2RP2005525	0.41
	NT2RP2005539	F-NT2RP2005539	0.94
	NT2RP2005540	F-NT2RP2005540	0.32
45	NT2RP2005549	F-NT2RP2005549	0.79
	NT2RP2005555	F-NT2RP2005555	0.63
	NT2RP2005557	F-NT2RP2005557	0.79
	NT2RP2005600	F-NT2RP2005600	0.76
50	NT2RP2005605	F-NT2RP2005605	0.56
	NT2RP2005620	F-NT2RP2005620	0.66
	NT2RP2005622	F-NT2RP2005622	0.37
	NT2RP2005635	F-NT2RP2005635	0.87
55	NT2RP2005637	F-NT2RP2005637	0.94
	NT2RP2005640	F-NT2RP2005640	0.87

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	NT2RP2005654	F-NT2RP2005654	0.94
	NT2RP2005669	F-NT2RP2005669	0.94
5	NT2RP2005675	F-NT2RP2005675	0.72
	NT2RP2005683	F-NT2RP2005683	0.34
	NT2RP2005690	F-NT2RP2005690	0.54
	NT2RP2005712	F-NT2RP2005712	0.93
10	NT2RP2005722	F-NT2RP2005722	0.50
	NT2RP2005723	F-NT2RP2005723	0.46
	NT2RP2005732	F-NT2RP2005732	0.54
	NT2RP2005748	F-NT2RP2005748	0.76
	NT2RP2005752	F-NT2RP2005752	0.47
15	NT2RP2005763	F-NT2RP2005763	0.87
	NT2RP2005767	F-NT2RP2005767	0.58
	NT2RP2005773	F-NT2RP2005773	0.49
	NT2RP2005775	F-NT2RP2005775	0.34
20	NT2RP2005781	F-NT2RP2005781	0.81
	NT2RP2005784	F-NT2RP2005784	0.94
	NT2RP2005804	F-NT2RP2005804	0.94
	NT2RP2005812	F-NT2RP2005812	0.90
25	NT2RP2005835	F-NT2RP2005835	0.94
	NT2RP2005853	F-NT2RP2005853	0.77
	NT2RP2005859	F-NT2RP2005859	0.68
	NT2RP2005868	F-NT2RP2005868	0.76
30	NT2RP2005886	F-NT2RP2005886	0.62
	NT2RP2005890	F-NT2RP2005890	0.79
	NT2RP2005901	F-NT2RP2005901	0.94
	NT2RP2005933	F-NT2RP2005933	0.55
35	NT2RP2006023	F-NT2RP2006023	0.47
	NT2RP2006038	F-NT2RP2006038	0.73
	NT2RP2006043	F-NT2RP2006043	0.50
	NT2RP2006052	F-NT2RP2006052	0.74
	NT2RP2006069	F-NT2RP2006069	0.85
40	NT2RP2006071	F-NT2RP2006071	0.94
	NT2RP2006100	F-NT2RP2006100	0.42
	NT2RP2006106	F-NT2RP2006106	0.94
	NT2RP2006141	F-NT2RP2006141	0.92
45	NT2RP2006186	F-NT2RP2006186	0.94
	NT2RP2006196	F-NT2RP2006196	0.32
	NT2RP2006200	F-NT2RP2006200	0.70
	NT2RP2006219	F-NT2RP2006219	0.94
50	NT2RP2006237	F-NT2RP2006237	0.59
	NT2RP2006238	F-NT2RP2006238	0.47
	NT2RP2006275	F-NT2RP2006275	0.89
	NT2RP2006312	F-NT2RP2006312	0.75
55	NT2RP2006333	F-NT2RP2006333	0.73
	NT2RP2006334	F-NT2RP2006334	0.72

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	NT2RP2006365	F-NT2RP2006365	0.48
	NT2RP2006436	F-NT2RP2006436	0.75
5	NT2RP2006441	F-NT2RP2006441	0.61
	NT2RP2006456	F-NT2RP2006456	0.60
	NT2RP2006464	F-NT2RP2006464	0.51
	NT2RP2006472	F-NT2RP2006472	0.76
10	NT2RP2006565	F-NT2RP2006565	0.34
	NT2RP2006571	F-NT2RP2006571	0.94
	NT2RP2006573	F-NT2RP2006573	0.35
	NT2RP3000002	F-NT2RP3000002	0.40
15	NT2RP3000031	F-NT2RP3000031	0.49
	NT2RP3000046	F-NT2RP3000046	0.90
	NT2RP3000047	F-NT2RP3000047	0.69
	NT2RP3000050	F-NT2RP3000050	0.78
	NT2RP3000068	F-NT2RP3000068	0.94
20	NT2RP3000072	F-NT2RP3000072	0.34
	NT2RP3000080	F-NT2RP3000080	0.32
	NT2RP3000085	F-NT2RP3000085	0.92
	NT2RP3000092	F-NT2RP3000092	0.40
25	NT2RP3000134	F-NT2RP3000134	0.42
	NT2RP3000142	F-NT2RP3000142	0.58
	NT2RP3000149	F-NT2RP3000149	0.83
	NT2RP3000197	F-NT2RP3000197	0.59
30	NT2RP3000207	F-NT2RP3000207	0.48
	NT2RP3000220	F-NT2RP3000220	0.75
	NT2RP3000251	F-NT2RP3000251	0.82
	NT2RP3000252	F-NT2RP3000252	0.88
35	NT2RP3000255	F-NT2RP3000255	0.94
	NT2RP3000267	F-NT2RP3000267	0.92
	NT2RP3000299	F-NT2RP3000299	0.94
	NT2RP3000312	F-NT2RP3000312	0.57
40	NT2RP3000320	F-NT2RP3000320	0.94
	NT2RP3000324	F-NT2RP3000324	0.32
	NT2RP3000333	F-NT2RP3000333	0.94
	NT2RP3000348	F-NT2RP3000348	0.32
	NT2RP3000350	F-NT2RP3000350	0.67
45	NT2RP3000359	F-NT2RP3000359	0.94
	NT2RP3000361	F-NT2RP3000361	0.94
	NT2RP3000366	F-NT2RP3000366	0.94
	NT2RP3000393	F-NT2RP3000393	0.53
50	NT2RP3000397	F-NT2RP3000397	0.89
	NT2RP3000403	F-NT2RP3000403	0.87
	NT2RP3000439	F-NT2RP3000439	0.77
	NT2RP3000456	F-NT2RP3000456	0.88
55	NT2RP3000484	F-NT2RP3000484	0.59
	NT2RP3000487	F-NT2RP3000487	0.32

	NT2RP3000526	F-NT2RP3000526	0.32
	NT2RP3000527	F-NT2RP3000527	0.69
5	NT2RP3000531	F-NT2RP3000531	0.56
	NT2RP3000562	F-NT2RP3000562	0.44
	NT2RP3000590	F-NT2RP3000590	0.88
	NT2RP3000592	F-NT2RP3000592	0.92
10	NT2RP3000596	F-NT2RP3000596	0.50
	NT2RP3000599	F-NT2RP3000599	0.69
	NT2RP3000603	F-NT2RP3000603	0.94
	NT2RP3000605	F-NT2RP3000605	0.92
	NT2RP3000624	F-NT2RP3000624	0.71
15	NT2RP3000632	F-NT2RP3000632	0.43
	NT2RP3000644	F-NT2RP3000644	0.94
	NT2RP3000661	F-NT2RP3000661	0.60
	NT2RP3000665	F-NT2RP3000665	0.46
20	NT2RP3000690	F-NT2RP3000690	0.79
	NT2RP3000739	F-NT2RP3000739	0.94
	NT2RP3000753	F-NT2RP3000753	0.42
	NT2RP3000759	F-NT2RP3000759	0.94
25	NT2RP3000825	F-NT2RP3000825	0.73
	NT2RP3000826	F-NT2RP3000826	0.94
	NT2RP3000836	F-NT2RP3000836	0.39
	NT2RP3000841	F-NT2RP3000841	0.55
30	NT2RP3000845	F-NT2RP3000845	0.38
	NT2RP3000847	F-NT2RP3000847	0.67
	NT2RP3000850	F-NT2RP3000850	0.59
	NT2RP3000852	F-NT2RP3000852	0.39
35	NT2RP3000859	F-NT2RP3000859	0.83
	NT2RP3000868	F-NT2RP3000868	0.49
	NT2RP3000869	F-NT2RP3000869	0.94
	NT2RP3000901	F-NT2RP3000901	0.34
40	NT2RP3000917	F-NT2RP3000917	0.73
	NT2RP3000919	F-NT2RP3000919	0.94
	NT2RP3000968	F-NT2RP3000968	0.94
	NT2RP3000980	F-NT2RP3000980	0.61
	NT2RP3000994	F-NT2RP3000994	0.45
45	NT2RP3001004	F-NT2RP3001004	0.86
	NT2RP3001055	F-NT2RP3001055	0.38
	NT2RP3001057	F-NT2RP3001057	0.84
	NT2RP3001081	F-NT2RP3001081	0.57
50	NT2RP3001084	F-NT2RP3001084	0.94
	NT2RP3001096	F-NT2RP3001096	0.94
	NT2RP3001107	F-NT2RP3001107	0.88
	NT2RP3001109	F-NT2RP3001109	0.67
55	NT2RP3001111	F-NT2RP3001111	0.87
	NT2RP3001113	F-NT2RP3001113	0.40

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	NT2RP3001116	F-NT2RP3001116	0.73
	NT2RP3001119	F-NT2RP3001119	0.62
5	NT2RP3001120	F-NT2RP3001120	0.59
	NT2RP3001126	F-NT2RP3001126	0.94
	NT2RP3001133	F-NT2RP3001133	0.89
	NT2RP3001140	F-NT2RP3001140	0.59
10	NT2RP3001147	F-NT2RP3001147	0.94
	NT2RP3001150	F-NT2RP3001150	0.92
	NT2RP3001155	F-NT2RP3001155	0.94
	NT2RP3001176	F-NT2RP3001176	0.82
15	NT2RP3001214	F-NT2RP3001214	0.41
	NT2RP3001216	F-NT2RP3001216	0.32
	NT2RP3001221	F-NT2RP3001221	0.46
	NT2RP3001236	F-NT2RP3001236	0.79
20	NT2RP3001239	F-NT2RP3001239	0.94
	NT2RP3001253	F-NT2RP3001253	0.59
	NT2RP3001260	F-NT2RP3001260	0.94
	NT2RP3001268	F-NT2RP3001268	0.75
	NT2RP3001272	F-NT2RP3001272	0.94
25	NT2RP3001274	F-NT2RP3001274	0.94
	NT2RP3001297	F-NT2RP3001297	0.94
	NT2RP3001307	F-NT2RP3001307	0.87
	NT2RP3001325	F-NT2RP3001325	0.71
30	NT2RP3001338	F-NT2RP3001338	0.90
	NT2RP3001355	F-NT2RP3001355	0.40
	NT2RP3001356	F-NT2RP3001356	0.88
	NT2RP3001384	F-NT2RP3001384	0.91
35	NT2RP3001392	F-NT2RP3001392	0.42
	NT2RP3001396	F-NT2RP3001396	0.56
	NT2RP3001398	F-NT2RP3001398	0.94
	NT2RP3001399	F-NT2RP3001399	0.94
40	NT2RP3001407	F-NT2RP3001407	0.54
	NT2RP3001420	F-NT2RP3001420	0.74
	NT2RP3001426	F-NT2RP3001426	0.92
	NT2RP3001427	F-NT2RP3001427	0.40
	NT2RP3001428	F-NT2RP3001428	0.94
45	NT2RP3001447	F-NT2RP3001447	0.57
	NT2RP3001449	F-NT2RP3001449	0.62
	NT2RP3001453	F-NT2RP3001453	0.94
	NT2RP3001457	F-NT2RP3001457	0.89
50	NT2RP3001472	F-NT2RP3001472	0.82
	NT2RP3001490	F-NT2RP3001490	0.53
	NT2RP3001495	F-NT2RP3001495	0.94
	NT2RP3001497	F-NT2RP3001497	0.40
55	NT2RP3001529	F-NT2RP3001529	0.94
	NT2RP3001538	F-NT2RP3001538	0.93

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	NT2RP3001554	F-NT2RP3001554	0.91
	NT2RP3001587	F-NT2RP3001587	0.94
5	NT2RP3001608	F-NT2RP3001608	0.94
	NT2RP3001621	F-NT2RP3001621	0.78
	NT2RP3001629	F-NT2RP3001629	0.42
	NT2RP3001642	F-NT2RP3001642	0.94
10	NT2RP3001646	F-NT2RP3001646	0.94
	NT2RP3001671	F-NT2RP3001671	0.77
	NT2RP3001672	F-NT2RP3001672	0.88
	NT2RP3001676	F-NT2RP3001676	0.88
	NT2RP3001678	F-NT2RP3001678	0.44
15	NT2RP3001679	F-NT2RP3001679	0.44
	NT2RP3001688	F-NT2RP3001688	0.67
	NT2RP3001690	F-NT2RP3001690	0.58
	NT2RP3001698	F-NT2RP3001698	0.86
20	NT2RP3001708	F-NT2RP3001708	0.38
	NT2RP3001712	F-NT2RP3001712	0.75
	NT2RP3001716	F-NT2RP3001716	0.77
	NT2RP3001724	F-NT2RP3001724	0.65
25	NT2RP3001727	F-NT2RP3001727	0.84
	NT2RP3001730	F-NT2RP3001730	0.77
	NT2RP3001739	F-NT2RP3001739	0.78
	NT2RP3001753	F-NT2RP3001753	0.79
30	NT2RP3001764	F-NT2RP3001764	0.33
	NT2RP3001777	F-NT2RP3001777	0.87
	NT2RP3001792	F-NT2RP3001792	0.86
	NT2RP3001799	F-NT2RP3001799	0.79
35	NT2RP3001819	F-NT2RP3001819	0.31
	NT2RP3001844	F-NT2RP3001844	0.34
	NT2RP3001854	F-NT2RP3001854	0.94
	NT2RP3001855	F-NT2RP3001855	0.88
	NT2RP3001857	F-NT2RP3001857	0.41
40	NT2RP3001896	F-NT2RP3001896	0.94
	NT2RP3001915	F-NT2RP3001915	0.42
	NT2RP3001929	F-NT2RP3001929	0.49
	NT2RP3001931	F-NT2RP3001931	0.94
45	NT2RP3001938	F-NT2RP3001938	0.32
	NT2RP3001943	F-NT2RP3001943	0.70
	NT2RP3001944	F-NT2RP3001944	0.94
	NT2RP3001969	F-NT2RP3001969	0.54
50	NT2RP3002007	F-NT2RP3002007	0.56
	NT2RP3002014	F-NT2RP3002014	0.94
	NT2RP3002033	F-NT2RP3002033	0.94
	NT2RP3002045	F-NT2RP3002045	0.91
55	NT2RP3002054	F-NT2RP3002054	0.94
	NT2RP3002062	F-NT2RP3002062	0.62

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	NT2RP3002063	F-NT2RP3002063	0.34
	NT2RP3002081	F-NT2RP3002081	0.57
5	NT2RP3002097	F-NT2RP3002097	0.72
	NT2RP3002102	F-NT2RP3002102	0.90
	NT2RP3002108	F-NT2RP3002108	0.74
	NT2RP3002142	F-NT2RP3002142	0.61
10	NT2RP3002146	F-NT2RP3002146	0.91
	NT2RP3002147	F-NT2RP3002147	0.37
	NT2RP3002151	F-NT2RP3002151	0.90
	NT2RP3002163	F-NT2RP3002163	0.76
15	NT2RP3002165	F-NT2RP3002165	0.89
	NT2RP3002181	F-NT2RP3002181	0.78
	NT2RP3002244	F-NT2RP3002244	0.81
	NT2RP3002248	F-NT2RP3002248	0.36
20	NT2RP3002255	F-NT2RP3002255	0.53
	NT2RP3002273	F-NT2RP3002273	0.90
	NT2RP3002276	F-NT2RP3002276	0.39
	NT2RP3002303	F-NT2RP3002303	0.40
	NT2RP3002304	F-NT2RP3002304	0.44
25	NT2RP3002330	F-NT2RP3002330	0.94
	NT2RP3002343	F-NT2RP3002343	0.94
	NT2RP3002351	F-NT2RP3002351	0.94
	NT2RP3002377	F-NT2RP3002377	0.52
30	NT2RP3002399	F-NT2RP3002399	0.91
	NT2RP3002402	F-NT2RP3002402	0.33
	NT2RP3002455	F-NT2RP3002455	0.42
	NT2RP3002484	F-NT2RP3002484	0.52
35	NT2RP3002501	F-NT2RP3002501	0.57
	NT2RP3002512	F-NT2RP3002512	0.63
	NT2RP3002529	F-NT2RP3002529	0.74
	NT2RP3002545	F-NT2RP3002545	0.94
40	NT2RP3002549	F-NT2RP3002549	0.94
	NT2RP3002566	F-NT2RP3002566	0.74
	NT2RP3002587	F-NT2RP3002587	0.94
	NT2RP3002590	F-NT2RP3002590	0.37
	NT2RP3002602	F-NT2RP3002602	0.39
45	NT2RP3002603	F-NT2RP3002603	0.46
	NT2RP3002628	F-NT2RP3002628	0.31
	NT2RP3002631	F-NT2RP3002631	0.79
	NT2RP3002650	F-NT2RP3002650	0.94
50	NT2RP3002659	F-NT2RP3002659	0.93
	NT2RP3002660	F-NT2RP3002660	0.46
	NT2RP3002663	F-NT2RP3002663	0.79
	NT2RP3002671	F-NT2RP3002671	0.34
55	NT2RP3002682	F-NT2RP3002682	0.52
	NT2RP3002688	F-NT2RP3002688	0.82

	NT2RP3002701	F-NT2RP3002701	0.62
	NT2RP3002763	F-NT2RP3002763	0.83
5	NT2RP3002785	F-NT2RP3002785	0.33
	NT2RP3002818	F-NT2RP3002818	0.91
	NT2RP3002861	F-NT2RP3002861	0.31
	NT2RP3002869	F-NT2RP3002869	0.47
10	NT2RP3002876	F-NT2RP3002876	0.58
	NT2RP3002877	F-NT2RP3002877	0.41
	NT2RP3002909	F-NT2RP3002909	0.52
	NT2RP3002911	F-NT2RP3002911	0.73
	NT2RP3002948	F-NT2RP3002948	0.60
15	NT2RP3002953	F-NT2RP3002953	0.37
	NT2RP3002969	F-NT2RP3002969	0.47
	NT2RP3002972	F-NT2RP3002972	0.87
	NT2RP3002985	F-NT2RP3002985	0.55
20	NT2RP3002988	F-NT2RP3002988	0.82
	NT2RP3003008	F-NT2RP3003008	0.94
	NT2RP3003061	F-NT2RP3003061	0.93
	NT2RP3003068	F-NT2RP3003068	0.45
25	NT2RP3003071	F-NT2RP3003071	0.76
	NT2RP3003078	F-NT2RP3003078	0.40
	NT2RP3003101	F-NT2RP3003101	0.41
	NT2RP3003139	F-NT2RP3003139	0.43
30	NT2RP3003145	F-NT2RP3003145	0.94
	NT2RP3003150	F-NT2RP3003150	0.94
	NT2RP3003157	F-NT2RP3003157	0.81
	NT2RP3003185	F-NT2RP3003185	0.87
35	NT2RP3003193	F-NT2RP3003193	0.94
	NT2RP3003197	F-NT2RP3003197	0.74
	NT2RP3003203	F-NT2RP3003203	0.94
	NT2RP3003204	F-NT2RP3003204	0.74
40	NT2RP3003210	F-NT2RP3003210	0.45
	NT2RP3003212	F-NT2RP3003212	0.51
	NT2RP3003230	F-NT2RP3003230	0.94
	NT2RP3003242	F-NT2RP3003242	0.92
	NT2RP3003251	F-NT2RP3003251	0.93
45	NT2RP3003278	F-NT2RP3003278	0.83
	NT2RP3003282	F-NT2RP3003282	0.67
	NT2RP3003290	F-NT2RP3003290	0.62
	NT2RP3003301	F-NT2RP3003301	0.49
50	NT2RP3003302	F-NT2RP3003302	0.32
	NT2RP3003311	F-NT2RP3003311	0.34
	NT2RP3003313	F-NT2RP3003313	0.88
	NT2RP3003327	F-NT2RP3003327	0.88
55	NT2RP3003330	F-NT2RP3003330	0.94
	NT2RP3003344	F-NT2RP3003344	0.67

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	NT2RP3003353	F-NT2RP3003353	0.65
	NT2RP3003377	F-NT2RP3003377	0.87
5	NT2RP3003385	F-NT2RP3003385	0.94
	NT2RP3003409	F-NT2RP3003409	0.41
	NT2RP3003411	F-NT2RP3003411	0.47
	NT2RP3003427	F-NT2RP3003427	0.33
10	NT2RP3003490	F-NT2RP3003490	0.56
	NT2RP3003491	F-NT2RP3003491	0.37
	NT2RP3003543	F-NT2RP3003543	0.92
	NT2RP3003552	F-NT2RP3003552	0.64
	NT2RP3003555	F-NT2RP3003555	0.94
15	NT2RP3003564	F-NT2RP3003564	0.86
	NT2RP3003589	F-NT2RP3003589	0.88
	NT2RP3003621	F-NT2RP3003621	0.49
	NT2RP3003656	F-NT2RP3003656	0.77
20	NT2RP3003659	F-NT2RP3003659	0.32
	NT2RP3003672	F-NT2RP3003672	0.49
	NT2RP3003680	F-NT2RP3003680	0.94
	NT2RP3003686	F-NT2RP3003686	0.78
25	NT2RP3003701	F-NT2RP3003701	0.36
	NT2RP3003716	F-NT2RP3003716	0.34
	NT2RP3003726	F-NT2RP3003726	0.72
	NT2RP3003795	F-NT2RP3003795	0.34
	NT2RP3003805	F-NT2RP3003805	0.74
30	NT2RP3003809	F-NT2RP3003809	0.73
	NT2RP3003825	F-NT2RP3003825	0.94
	NT2RP3003831	F-NT2RP3003831	0.52
	NT2RP3003833	F-NT2RP3003833	0.31
35	NT2RP3003846	F-NT2RP3003846	0.54
	NT2RP3003870	F-NT2RP3003870	0.91
	NT2RP3003876	F-NT2RP3003876	0.42
	NT2RP3003914	F-NT2RP3003914	0.94
40	NT2RP3003918	F-NT2RP3003918	0.90
	NT2RP3003932	F-NT2RP3003932	0.64
	NT2RP3003992	F-NT2RP3003992	0.94
	NT2RP3004013	F-NT2RP3004013	0.60
45	NT2RP3004041	F-NT2RP3004041	0.52
	NT2RP3004051	F-NT2RP3004051	0.75
	NT2RP3004078	F-NT2RP3004078	0.73
	NT2RP3004093	F-NT2RP3004093	0.64
50	NT2RP3004125	F-NT2RP3004125	0.94
	NT2RP3004155	F-NT2RP3004155	0.89
	NT2RP3004189	F-NT2RP3004189	0.46
	NT2RP3004206	F-NT2RP3004206	0.59
55	NT2RP3004207	F-NT2RP3004207	0.39
	NT2RP3004209	F-NT2RP3004209	0.54

	NT2RP3004242	F-NT2RP3004242	0.61
	NT2RP3004246	F-NT2RP3004246	0.91
5	NT2RP3004253	F-NT2RP3004253	0.41
	NT2RP3004258	F-NT2RP3004258	0.41
	NT2RP3004262	F-NT2RP3004262	0.56
	NT2RP3004282	F-NT2RP3004282	0.90
10	NT2RP3004332	F-NT2RP3004332	0.53
	NT2RP3004341	F-NT2RP3004341	0.40
	NT2RP3004348	F-NT2RP3004348	0.94
	NT2RP3004378	F-NT2RP3004378	0.40
	NT2RP3004424	F-NT2RP3004424	0.75
15	NT2RP3004428	F-NT2RP3004428	0.85
	NT2RP3004451	F-NT2RP3004451	0.85
	NT2RP3004454	F-NT2RP3004454	0.93
	NT2RP3004466	F-NT2RP3004466	0.80
20	NT2RP3004472	F-NT2RP3004472	0.46
	NT2RP3004480	F-NT2RP3004480	0.77
	NT2RP3004490	F-NT2RP3004490	0.65
	NT2RP3004498	F-NT2RP3004498	0.91
25	NT2RP3004504	F-NT2RP3004504	0.88
	NT2RP3004507	F-NT2RP3004507	0.86
	NT2RP3004534	F-NT2RP3004534	0.32
	NT2RP3004539	F-NT2RP3004539	0.76
30	NT2RP3004544	F-NT2RP3004544	0.94
	NT2RP3004566	F-NT2RP3004566	0.94
	NT2RP3004569	F-NT2RP3004569	0.69
	NT2RP3004572	F-NT2RP3004572	0.65
	NT2RP3004578	F-NT2RP3004578	0.52
35	NT2RP3004594	F-NT2RP3004594	0.39
	NT2RP3004617	F-NT2RP3004617	0.94
	NT2RP3004618	F-NT2RP3004618	0.41
	NT2RP3004669	F-NT2RP3004669	0.82
40	NT2RP3004670	F-NT2RP3004670	0.32
	NT2RP4000008	F-NT2RP4000008	0.94
	NT2RP4000051	F-NT2RP4000051	0.94
	NT2RP4000109	F-NT2RP4000109	0.84
45	NT2RP4000111	F-NT2RP4000111	0.49
	NT2RP4000129	F-NT2RP4000129	0.94
	NT2RP4000147	F-NT2RP4000147	0.92
	NT2RP4000150	F-NT2RP4000150	0.41
50	NT2RP4000151	F-NT2RP4000151	0.33
	NT2RP4000159	F-NT2RP4000159	0.75
	NT2RP4000185	F-NT2RP4000185	0.94
	NT2RP4000210	F-NT2RP4000210	0.83
55	NT2RP4000212	F-NT2RP4000212	0.94
	NT2RP4000243	F-NT2RP4000243	0.94

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	NT2RP4000246	F-NT2RP4000246	0.59
	NT2RP4000259	F-NT2RP4000259	0.94
5	NT2RP4000263	F-NT2RP4000263	0.62
	NT2RP4000290	F-NT2RP4000290	0.92
	NT2RP4000312	F-NT2RP4000312	0.39
	NT2RP4000323	F-NT2RP4000323	0.73
10	NT2RP4000355	F-NT2RP4000355	0.94
	NT2RP4000360	F-NT2RP4000360	0.55
	NT2RP4000367	F-NT2RP4000367	0.60
	NT2RP4000370	F-NT2RP4000370	0.93
	NT2RP4000376	F-NT2RP4000376	0.88
15	NT2RP4000381	F-NT2RP4000381	0.39
	NT2RP4000398	F-NT2RP4000398	0.64
	NT2RP4000415	F-NT2RP4000415	0.94
	NT2RP4000417	F-NT2RP4000417	0.33
20	NT2RP4000448	F-NT2RP4000448	0.33
	NT2RP4000449	F-NT2RP4000449	0.33
	NT2RP4000455	F-NT2RP4000455	0.37
	NT2RP4000457	F-NT2RP4000457	0.36
25	NT2RP4000480	F-NT2RP4000480	0.88
	NT2RP4000481	F-NT2RP4000481	0.51
	NT2RP4000498	F-NT2RP4000498	0.64
	NT2RP4000500	F-NT2RP4000500	0.67
30	NT2RP4000518	F-NT2RP4000518	0.34
	NT2RP4000524	F-NT2RP4000524	0.94
	NT2RP4000528	F-NT2RP4000528	0.65
	NT2RP4000541	F-NT2RP4000541	0.44
	NT2RP4000556	F-NT2RP4000556	0.69
35	NT2RP4000560	F-NT2RP4000560	0.67
	NT2RP4000588	F-NT2RP4000588	0.94
	NT2RP4000614	F-NT2RP4000614	0.94
	NT2RP4000638	F-NT2RP4000638	0.74
40	NT2RP4000648	F-NT2RP4000648	0.40
	NT2RP4000657	F-NT2RP4000657	0.94
	NT2RP4000704	F-NT2RP4000704	0.69
	NT2RP4000713	F-NT2RP4000713	0.93
45	NT2RP4000724	F-NT2RP4000724	0.32
	NT2RP4000728	F-NT2RP4000728	0.34
	NT2RP4000737	F-NT2RP4000737	0.48
	NT2RP4000739	F-NT2RP4000739	0.40
50	NT2RP4000781	F-NT2RP4000781	0.94
	NT2RP4000787	F-NT2RP4000787	0.94
	NT2RP4000817	F-NT2RP4000817	0.60
	NT2RP4000833	F-NT2RP4000833	0.35
55	NT2RP4000837	F-NT2RP4000837	0.80
	NT2RP4000839	F-NT2RP4000839	0.33

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	NT2RP4000855	F-NT2RP4000855	0. 74
	NT2RP4000865	F-NT2RP4000865	0. 77
5	NT2RP4000878	F-NT2RP4000878	0. 79
	NT2RP4000879	F-NT2RP4000879	0. 41
	NT2RP4000907	F-NT2RP4000907	0. 44
	NT2RP4000918	F-NT2RP4000918	0. 88
	NT2RP4000925	F-NT2RP4000925	0. 89
10	NT2RP4000927	F-NT2RP4000927	0. 81
	NT2RP4000928	F-NT2RP4000928	0. 39
	NT2RP4000929	F-NT2RP4000929	0. 34
	NT2RP4000955	F-NT2RP4000955	0. 77
15	NT2RP4000973	F-NT2RP4000973	0. 36
	NT2RP4000975	F-NT2RP4000975	0. 87
	NT2RP4000979	F-NT2RP4000979	0. 50
	NT2RP4000984	F-NT2RP4000984	0. 66
20	NT2RP4000989	F-NT2RP4000989	0. 94
	NT2RP4000997	F-NT2RP4000997	0. 68
	NT2RP4001004	F-NT2RP4001004	0. 40
	NT2RP4001006	F-NT2RP4001006	0. 91
25	NT2RP4001010	F-NT2RP4001010	0. 64
	NT2RP4001029	F-NT2RP4001029	0. 77
	NT2RP4001041	F-NT2RP4001041	0. 79
	NT2RP4001057	F-NT2RP4001057	0. 65
30	NT2RP4001064	F-NT2RP4001064	0. 94
	NT2RP4001078	F-NT2RP4001078	0. 39
	NT2RP4001079	F-NT2RP4001079	0. 94
	NT2RP4001080	F-NT2RP4001080	0. 58
	NT2RP4001086	F-NT2RP4001086	0. 78
35	NT2RP4001095	F-NT2RP4001095	0. 80
	NT2RP4001100	F-NT2RP4001100	0. 79
	NT2RP4001117	F-NT2RP4001117	0. 60
	NT2RP4001122	F-NT2RP4001122	0. 82
40	NT2RP4001126	F-NT2RP4001126	0. 55
	NT2RP4001138	F-NT2RP4001138	0. 94
	NT2RP4001143	F-NT2RP4001143	0. 41
	NT2RP4001148	F-NT2RP4001148	0. 37
45	NT2RP4001149	F-NT2RP4001149	0. 50
	NT2RP4001150	F-NT2RP4001150	0. 94
	NT2RP4001159	F-NT2RP4001159	0. 78
	NT2RP4001174	F-NT2RP4001174	0. 94
50	NT2RP4001206	F-NT2RP4001206	0. 80
	NT2RP4001207	F-NT2RP4001207	0. 38
	NT2RP4001210	F-NT2RP4001210	0. 94
	NT2RP4001213	F-NT2RP4001213	0. 46
	NT2RP4001219	F-NT2RP4001219	0. 38
55	NT2RP4001228	F-NT2RP4001228	0. 61

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	NT2RP4001235	F-NT2RP4001235	0.88
	NT2RP4001256	F-NT2RP4001256	0.60
5	NT2RP4001260	F-NT2RP4001260	0.94
	NT2RP4001274	F-NT2RP4001274	0.82
	NT2RP4001276	F-NT2RP4001276	0.68
	NT2RP4001313	F-NT2RP4001313	0.77
10	NT2RP4001315	F-NT2RP4001315	0.87
	NT2RP4001336	F-NT2RP4001336	0.48
	NT2RP4001339	F-NT2RP4001339	0.41
	NT2RP4001343	F-NT2RP4001343	0.63
15	NT2RP4001345	F-NT2RP4001345	0.89
	NT2RP4001351	F-NT2RP4001351	0.87
	NT2RP4001353	F-NT2RP4001353	0.72
	NT2RP4001372	F-NT2RP4001372	0.78
	NT2RP4001373	F-NT2RP4001373	0.60
20	NT2RP4001375	F-NT2RP4001375	0.43
	NT2RP4001379	F-NT2RP4001379	0.77
	NT2RP4001389	F-NT2RP4001389	0.41
	NT2RP4001414	F-NT2RP4001414	0.90
25	NT2RP4001433	F-NT2RP4001433	0.39
	NT2RP4001442	F-NT2RP4001442	0.59
	NT2RP4001447	F-NT2RP4001447	0.33
	NT2RP4001474	F-NT2RP4001474	0.89
30	NT2RP4001483	F-NT2RP4001483	0.94
	NT2RP4001498	F-NT2RP4001498	0.59
	NT2RP4001502	F-NT2RP4001502	0.61
	NT2RP4001507	F-NT2RP4001507	0.91
35	NT2RP4001524	F-NT2RP4001524	0.61
	NT2RP4001529	F-NT2RP4001529	0.75
	NT2RP4001547	F-NT2RP4001547	0.77
	NT2RP4001551	F-NT2RP4001551	0.79
40	NT2RP4001555	F-NT2RP4001555	0.79
	NT2RP4001567	F-NT2RP4001567	0.39
	NT2RP4001568	F-NT2RP4001568	0.45
	NT2RP4001571	F-NT2RP4001571	0.76
45	NT2RP4001574	F-NT2RP4001574	0.91
	NT2RP4001575	F-NT2RP4001575	0.57
	NT2RP4001592	F-NT2RP4001592	0.71
	NT2RP4001610	F-NT2RP4001610	0.94
	NT2RP4001614	F-NT2RP4001614	0.73
50	NT2RP4001634	F-NT2RP4001634	0.40
	NT2RP4001638	F-NT2RP4001638	0.37
	NT2RP4001644	F-NT2RP4001644	0.94
	NT2RP4001656	F-NT2RP4001656	0.92
55	NT2RP4001677	F-NT2RP4001677	0.47
	NT2RP4001679	F-NT2RP4001679	0.54

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	NT2RP4001696	F-NT2RP4001696	0.62
	NT2RP4001725	F-NT2RP4001725	0.94
5	NT2RP4001730	F-NT2RP4001730	0.94
	NT2RP4001739	F-NT2RP4001739	0.82
	NT2RP4001753	F-NT2RP4001753	0.66
	NT2RP4001760	F-NT2RP4001760	0.39
10	NT2RP4001790	F-NT2RP4001790	0.64
	NT2RP4001803	F-NT2RP4001803	0.87
	NT2RP4001822	F-NT2RP4001822	0.84
	NT2RP4001823	F-NT2RP4001823	0.56
	NT2RP4001828	F-NT2RP4001828	0.45
15	NT2RP4001838	F-NT2RP4001838	0.87
	NT2RP4001841	F-NT2RP4001841	0.58
	NT2RP4001849	F-NT2RP4001849	0.88
	NT2RP4001861	F-NT2RP4001861	0.80
20	NT2RP4001893	F-NT2RP4001893	0.94
	NT2RP4001896	F-NT2RP4001896	0.93
	NT2RP4001901	F-NT2RP4001901	0.89
	NT2RP4001927	F-NT2RP4001927	0.77
25	NT2RP4001938	F-NT2RP4001938	0.94
	NT2RP4001946	F-NT2RP4001946	0.74
	NT2RP4001950	F-NT2RP4001950	0.45
	NT2RP4001953	F-NT2RP4001953	0.49
30	NT2RP4001966	F-NT2RP4001966	0.86
	NT2RP4001975	F-NT2RP4001975	0.94
	NT2RP4002018	F-NT2RP4002018	0.67
	NT2RP4002047	F-NT2RP4002047	0.67
35	NT2RP4002052	F-NT2RP4002052	0.42
	NT2RP4002058	F-NT2RP4002058	0.78
	NT2RP4002071	F-NT2RP4002071	0.94
	NT2RP4002078	F-NT2RP4002078	0.38
	NT2RP4002081	F-NT2RP4002081	0.55
40	NT2RP4002083	F-NT2RP4002083	0.86
	NT2RP4002408	F-NT2RP4002408	0.64
	NT2RP4002791	F-NT2RP4002791	0.84
	NT2RP4002888	F-NT2RP4002888	0.31
45	NT2RP5003459	F-NT2RP5003459	0.94
	NT2RP5003461	F-NT2RP5003461	0.94
	NT2RP5003477	F-NT2RP5003477	0.44
	NT2RP5003492	F-NT2RP5003492	0.57
50	NT2RP5003500	F-NT2RP5003500	0.94
	NT2RP5003506	F-NT2RP5003506	0.94
	NT2RP5003512	F-NT2RP5003512	0.42
	NT2RP5003522	F-NT2RP5003522	0.94
55	NT2RP5003524	F-NT2RP5003524	0.58
	NT2RP5003534	F-NT2RP5003534	0.32

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	OVARC1000004	F-OVARC1000004	0.90
5	OVARC1000006	F-OVARC1000006	0.94
	OVARC1000013	F-OVARC1000013	0.48
	OVARC1000014	F-OVARC1000014	0.69
	OVARC1000035	F-OVARC1000035	0.59
10	OVARC1000060	F-OVARC1000060	0.76
	OVARC1000087	F-OVARC1000087	0.31
	OVARC1000091	F-OVARC1000091	0.88
	OVARC1000106	F-OVARC1000106	0.88
	OVARC1000109	F-OVARC1000109	0.94
15	OVARC1000113	F-OVARC1000113	0.40
	OVARC1000114	F-OVARC1000114	0.53
	OVARC1000139	F-OVARC1000139	0.88
	OVARC1000148	F-OVARC1000148	0.94
20	OVARC1000151	F-OVARC1000151	0.34
	OVARC1000168	F-OVARC1000168	0.56
	OVARC1000209	F-OVARC1000209	0.94
	OVARC1000212	F-OVARC1000212	0.87
25	OVARC1000241	F-OVARC1000241	0.59
	OVARC1000288	F-OVARC1000288	0.87
	OVARC1000304	F-OVARC1000304	0.94
	OVARC1000309	F-OVARC1000309	0.76
30	OVARC1000321	F-OVARC1000321	0.90
	OVARC1000326	F-OVARC1000326	0.46
	OVARC1000335	F-OVARC1000335	0.55
	OVARC1000347	F-OVARC1000347	0.43
	OVARC1000384	F-OVARC1000384	0.90
35	OVARC1000408	F-OVARC1000408	0.42
	OVARC1000411	F-OVARC1000411	0.65
	OVARC1000420	F-OVARC1000420	0.84
	OVARC1000437	F-OVARC1000437	0.94
40	OVARC1000440	F-OVARC1000440	0.94
	OVARC1000442	F-OVARC1000442	0.94
	OVARC1000443	F-OVARC1000443	0.74
	OVARC1000461	F-OVARC1000461	0.89
45	OVARC1000465	F-OVARC1000465	0.75
	OVARC1000466	F-OVARC1000466	0.94
	OVARC1000473	F-OVARC1000473	0.31
	OVARC1000479	F-OVARC1000479	0.42
50	OVARC1000520	F-OVARC1000520	0.94
	OVARC1000556	F-OVARC1000556	0.94
	OVARC1000557	F-OVARC1000557	0.72
	OVARC1000564	F-OVARC1000564	0.94
55	OVARC1000576	F-OVARC1000576	0.40
	OVARC1000588	F-OVARC1000588	0.45

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	OVARC1000605	F-OVARC1000605	0.58
	OVARC1000622	F-OVARC1000622	0.80
5	OVARC1000640	F-OVARC1000640	0.35
	OVARC1000649	F-OVARC1000649	0.94
	OVARC1000661	F-OVARC1000661	0.87
	OVARC1000681	F-OVARC1000681	0.84
	OVARC1000682	F-OVARC1000682	0.38
10	OVARC1000689	F-OVARC1000689	0.36
	OVARC1000703	F-OVARC1000703	0.92
	OVARC1000722	F-OVARC1000722	0.94
	OVARC1000730	F-OVARC1000730	0.90
15	OVARC1000746	F-OVARC1000746	0.42
	OVARC1000771	F-OVARC1000771	0.94
	OVARC1000781	F-OVARC1000781	0.80
	OVARC1000787	F-OVARC1000787	0.41
20	OVARC1000800	F-OVARC1000800	0.85
	OVARC1000834	F-OVARC1000834	0.62
	OVARC1000846	F-OVARC1000846	0.49
	OVARC1000850	F-OVARC1000850	0.94
25	OVARC1000862	F-OVARC1000862	0.54
	OVARC1000876	F-OVARC1000876	0.74
	OVARC1000883	F-OVARC1000883	0.55
	OVARC1000885	F-OVARC1000885	0.94
	OVARC1000886	F-OVARC1000886	0.61
30	OVARC1000890	F-OVARC1000890	0.45
	OVARC1000912	F-OVARC1000912	0.63
	OVARC1000915	F-OVARC1000915	0.31
	OVARC1000924	F-OVARC1000924	0.82
35	OVARC1000945	F-OVARC1000945	0.74
	OVARC1000959	F-OVARC1000959	0.33
	OVARC1000964	F-OVARC1000964	0.60
	OVARC1000984	F-OVARC1000984	0.59
40	OVARC1000996	F-OVARC1000996	0.83
	OVARC1000999	F-OVARC1000999	0.94
	OVARC1001004	F-OVARC1001004	0.69
	OVARC1001010	F-OVARC1001010	0.51
45	OVARC1001032	F-OVARC1001032	0.32
	OVARC1001034	F-OVARC1001034	0.78
	OVARC1001038	F-OVARC1001038	0.93
	OVARC1001040	F-OVARC1001040	0.68
50	OVARC1001044	F-OVARC1001044	0.66
	OVARC1001055	F-OVARC1001055	0.76
	OVARC1001065	F-OVARC1001065	0.31
	OVARC1001068	F-OVARC1001068	0.63
	OVARC1001074	F-OVARC1001074	0.82
55	OVARC1001092	F-OVARC1001092	0.50

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	OVARC1001107	F-OVARC1001107	0.65
	OVARC1001113	F-OVARC1001113	0.86
5	OVARC1001154	F-OVARC1001154	0.43
	OVARC1001161	F-OVARC1001161	0.75
	OVARC1001162	F-OVARC1001162	0.61
	OVARC1001167	F-OVARC1001167	0.31
10	OVARC1001170	F-OVARC1001170	0.46
	OVARC1001171	F-OVARC1001171	0.78
	OVARC1001173	F-OVARC1001173	0.71
	OVARC1001176	F-OVARC1001176	0.83
15	OVARC1001180	F-OVARC1001180	0.53
	OVARC1001188	F-OVARC1001188	0.42
	OVARC1001200	F-OVARC1001200	0.94
	OVARC1001232	F-OVARC1001232	0.90
	OVARC1001243	F-OVARC1001243	0.59
20	OVARC1001244	F-OVARC1001244	0.79
	OVARC1001270	F-OVARC1001270	0.48
	OVARC1001271	F-OVARC1001271	0.67
	OVARC1001296	F-OVARC1001296	0.60
25	OVARC1001306	F-OVARC1001306	0.44
	OVARC1001329	F-OVARC1001329	0.91
	OVARC1001341	F-OVARC1001341	0.82
	OVARC1001344	F-OVARC1001344	0.94
30	OVARC1001360	F-OVARC1001360	0.94
	OVARC1001369	F-OVARC1001369	0.36
	OVARC1001372	F-OVARC1001372	0.63
	OVARC1001376	F-OVARC1001376	0.81
	OVARC1001381	F-OVARC1001381	0.78
35	OVARC1001391	F-OVARC1001391	0.33
	OVARC1001399	F-OVARC1001399	0.67
	OVARC1001417	F-OVARC1001417	0.94
	OVARC1001419	F-OVARC1001419	0.34
40	OVARC1001425	F-OVARC1001425	0.73
	OVARC1001436	F-OVARC1001436	0.59
	OVARC1001453	F-OVARC1001453	0.45
	OVARC1001476	F-OVARC1001476	0.85
45	OVARC1001489	F-OVARC1001489	0.35
	OVARC1001496	F-OVARC1001496	0.90
	OVARC1001506	F-OVARC1001506	0.59
	OVARC1001525	F-OVARC1001525	0.87
50	OVARC1001555	F-OVARC1001555	0.67
	OVARC1001577	F-OVARC1001577	0.94
	OVARC1001610	F-OVARC1001610	0.38
	OVARC1001611	F-OVARC1001611	0.34
	OVARC1001702	F-OVARC1001702	0.88
55	OVARC1001703	F-OVARC1001703	0.76

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	OVARC1001711	F-OVARC1001711	0.82
	OVARC1001713	F-OVARC1001713	0.82
	OVARC1001731	F-OVARC1001731	0.94
5	OVARC1001762	F-OVARC1001762	0.59
	OVARC1001766	F-OVARC1001766	0.94
	OVARC1001767	F-OVARC1001767	0.70
	OVARC1001768	F-OVARC1001768	0.32
10	OVARC1001791	F-OVARC1001791	0.74
	OVARC1001802	F-OVARC1001802	0.76
	OVARC1001809	F-OVARC1001809	0.63
	OVARC1001820	F-OVARC1001820	0.94
15	OVARC1001828	F-OVARC1001828	0.78
	OVARC1001861	F-OVARC1001861	0.94
	OVARC1001873	F-OVARC1001873	0.31
	OVARC1001879	F-OVARC1001879	0.94
20	OVARC1001880	F-OVARC1001880	0.46
	OVARC1001916	F-OVARC1001916	0.82
	OVARC1001942	F-OVARC1001942	0.72
	OVARC1001943	F-OVARC1001943	0.49
25	OVARC1001949	F-OVARC1001949	0.46
	OVARC1001950	F-OVARC1001950	0.94
	OVARC1001987	F-OVARC1001987	0.91
	OVARC1002050	F-OVARC1002050	0.85
	OVARC1002082	F-OVARC1002082	0.94
30	OVARC1002107	F-OVARC1002107	0.33
	OVARC1002112	F-OVARC1002112	0.94
	OVARC1002127	F-OVARC1002127	0.80
	OVARC1002138	F-OVARC1002138	0.46
35	OVARC1002156	F-OVARC1002156	0.43
	OVARC1002158	F-OVARC1002158	0.94
	OVARC1002165	F-OVARC1002165	0.88
	OVARC1002182	F-OVARC1002182	0.94
40	PLACE1000004	F-PLACE1000004	0.43
	PLACE1000005	F-PLACE1000005	0.37
	PLACE1000007	F-PLACE1000007	0.72
	PLACE1000014	F-PLACE1000014	0.38
45	PLACE1000048	F-PLACE1000048	0.36
	PLACE1000050	F-PLACE1000050	0.94
	PLACE1000061	F-PLACE1000061	0.56
	PLACE1000066	F-PLACE1000066	0.94
50	PLACE1000081	F-PLACE1000081	0.37
	PLACE1000133	F-PLACE1000133	0.53
	PLACE1000142	F-PLACE1000142	0.94
	PLACE1000184	F-PLACE1000184	0.73
	PLACE1000185	F-PLACE1000185	0.86
55	PLACE1000213	F-PLACE1000213	0.34

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	PLACE1000236	F-PLACE1000236	0.76
	PLACE1000246	F-PLACE1000246	0.91
5	PLACE1000308	F-PLACE1000308	0.40
	PLACE1000347	F-PLACE1000347	0.48
	PLACE1000374	F-PLACE1000374	0.58
	PLACE1000380	F-PLACE1000380	0.94
10	PLACE1000383	F-PLACE1000383	0.39
	PLACE1000401	F-PLACE1000401	0.94
	PLACE1000406	F-PLACE1000406	0.94
	PLACE1000420	F-PLACE1000420	0.82
	PLACE1000435	F-PLACE1000435	0.32
15	PLACE1000444	F-PLACE1000444	0.41
	PLACE1000453	F-PLACE1000453	0.76
	PLACE1000492	F-PLACE1000492	0.65
	PLACE1000547	F-PLACE1000547	0.94
20	PLACE1000562	F-PLACE1000562	0.94
	PLACE1000564	F-PLACE1000564	0.45
	PLACE1000588	F-PLACE1000588	0.67
	PLACE1000596	F-PLACE1000596	0.60
25	PLACE1000610	F-PLACE1000610	0.94
	PLACE1000611	F-PLACE1000611	0.48
	PLACE1000636	F-PLACE1000636	0.92
	PLACE1000653	F-PLACE1000653	0.57
	PLACE1000656	F-PLACE1000656	0.94
30	PLACE1000706	F-PLACE1000706	0.94
	PLACE1000712	F-PLACE1000712	0.78
	PLACE1000716	F-PLACE1000716	0.94
	PLACE1000748	F-PLACE1000748	0.52
35	PLACE1000755	F-PLACE1000755	0.87
	PLACE1000769	F-PLACE1000769	0.94
	PLACE1000785	F-PLACE1000785	0.33
	PLACE1000786	F-PLACE1000786	0.88
40	PLACE1000793	F-PLACE1000793	0.79
	PLACE1000798	F-PLACE1000798	0.59
	PLACE1000849	F-PLACE1000849	0.64
	PLACE1000856	F-PLACE1000856	0.40
45	PLACE1000863	F-PLACE1000863	0.94
	PLACE1000909	F-PLACE1000909	0.94
	PLACE1000948	F-PLACE1000948	0.92
	PLACE1000972	F-PLACE1000972	0.73
50	PLACE1000977	F-PLACE1000977	0.72
	PLACE1000987	F-PLACE1000987	0.93
	PLACE1001000	F-PLACE1001000	0.37
	PLACE1001010	F-PLACE1001010	0.50
	PLACE1001024	F-PLACE1001024	0.94
55	PLACE1001036	F-PLACE1001036	0.51

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	PLACE1001054	F-PLACE1001054	0.88
	PLACE1001062	F-PLACE1001062	0.57
	PLACE1001092	F-PLACE1001092	0.94
5	PLACE1001104	F-PLACE1001104	0.38
	PLACE1001168	F-PLACE1001168	0.41
	PLACE1001171	F-PLACE1001171	0.36
	PLACE1001185	F-PLACE1001185	0.93
10	PLACE1001238	F-PLACE1001238	0.87
	PLACE1001241	F-PLACE1001241	0.67
	PLACE1001257	F-PLACE1001257	0.40
	PLACE1001280	F-PLACE1001280	0.70
15	PLACE1001294	F-PLACE1001294	0.49
	PLACE1001304	F-PLACE1001304	0.94
	PLACE1001311	F-PLACE1001311	0.53
	PLACE1001351	F-PLACE1001351	0.86
20	PLACE1001366	F-PLACE1001366	0.39
	PLACE1001383	F-PLACE1001383	0.94
	PLACE1001387	F-PLACE1001387	0.34
	PLACE1001399	F-PLACE1001399	0.38
25	PLACE1001412	F-PLACE1001412	0.94
	PLACE1001456	F-PLACE1001456	0.42
	PLACE1001484	F-PLACE1001484	0.88
	PLACE1001503	F-PLACE1001503	0.85
	PLACE1001545	F-PLACE1001545	0.92
30	PLACE1001551	F-PLACE1001551	0.39
	PLACE1001570	F-PLACE1001570	0.40
	PLACE1001602	F-PLACE1001602	0.60
	PLACE1001608	F-PLACE1001608	0.40
35	PLACE1001610	F-PLACE1001610	0.43
	PLACE1001632	F-PLACE1001632	0.48
	PLACE1001634	F-PLACE1001634	0.60
	PLACE1001692	F-PLACE1001692	0.74
40	PLACE1001729	F-PLACE1001729	0.69
	PLACE1001739	F-PLACE1001739	0.49
	PLACE1001740	F-PLACE1001740	0.50
	PLACE1001761	F-PLACE1001761	0.71
45	PLACE1001771	F-PLACE1001771	0.39
	PLACE1001781	F-PLACE1001781	0.57
	PLACE1001810	F-PLACE1001810	0.57
	PLACE1001817	F-PLACE1001817	0.91
	PLACE1001844	F-PLACE1001844	0.34
50	PLACE1001869	F-PLACE1001869	0.34
	PLACE1001912	F-PLACE1001912	0.82
	PLACE1001920	F-PLACE1001920	0.85
	PLACE1001928	F-PLACE1001928	0.60
55	PLACE1001983	F-PLACE1001983	0.39

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	PLACE1001989	F-PLACE1001989	0.74
	PLACE1002004	F-PLACE1002004	0.70
5	PLACE1002046	F-PLACE1002046	0.81
	PLACE1002072	F-PLACE1002072	0.94
	PLACE1002073	F-PLACE1002073	0.70
	PLACE1002090	F-PLACE1002090	0.64
	PLACE1002115	F-PLACE1002115	0.60
10	PLACE1002119	F-PLACE1002119	0.71
	PLACE1002140	F-PLACE1002140	0.94
	PLACE1002163	F-PLACE1002163	0.56
	PLACE1002170	F-PLACE1002170	0.60
15	PLACE1002171	F-PLACE1002171	0.72
	PLACE1002213	F-PLACE1002213	0.35
	PLACE1002342	F-PLACE1002342	0.40
	PLACE1002395	F-PLACE1002395	0.87
20	PLACE1002433	F-PLACE1002433	0.73
	PLACE1002437	F-PLACE1002437	0.46
	PLACE1002438	F-PLACE1002438	0.41
	PLACE1002450	F-PLACE1002450	0.48
25	PLACE1002465	F-PLACE1002465	0.34
	PLACE1002474	F-PLACE1002474	0.89
	PLACE1002499	F-PLACE1002499	0.94
	PLACE1002529	F-PLACE1002529	0.45
	PLACE1002532	F-PLACE1002532	0.76
30	PLACE1002571	F-PLACE1002571	0.40
	PLACE1002625	F-PLACE1002625	0.36
	PLACE1002655	F-PLACE1002655	0.41
	PLACE1002665	F-PLACE1002665	0.80
35	PLACE1002685	F-PLACE1002685	0.31
	PLACE1002714	F-PLACE1002714	0.90
	PLACE1002722	F-PLACE1002722	0.43
	PLACE1002775	F-PLACE1002775	0.94
40	PLACE1002794	F-PLACE1002794	0.90
	PLACE1002811	F-PLACE1002811	0.88
	PLACE1002815	F-PLACE1002815	0.40
	PLACE1002816	F-PLACE1002816	0.73
45	PLACE1002834	F-PLACE1002834	0.41
	PLACE1002839	F-PLACE1002839	0.73
	PLACE1002851	F-PLACE1002851	0.90
	PLACE1002908	F-PLACE1002908	0.94
50	PLACE1002941	F-PLACE1002941	0.33
	PLACE1002991	F-PLACE1002991	0.39
	PLACE1002993	F-PLACE1002993	0.94
	PLACE1002996	F-PLACE1002996	0.40
	PLACE1003025	F-PLACE1003025	0.77
55	PLACE1003027	F-PLACE1003027	0.54

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	PLACE1003044	F-PLACE1003044	0.71
	PLACE1003045	F-PLACE1003045	0.89
5	PLACE1003092	F-PLACE1003092	0.59
	PLACE1003100	F-PLACE1003100	0.38
	PLACE1003108	F-PLACE1003108	0.94
	PLACE1003136	F-PLACE1003136	0.87
	PLACE1003145	F-PLACE1003145	0.94
10	PLACE1003174	F-PLACE1003174	0.46
	PLACE1003176	F-PLACE1003176	0.48
	PLACE1003190	F-PLACE1003190	0.57
	PLACE1003200	F-PLACE1003200	0.47
15	PLACE1003249	F-PLACE1003249	0.33
	PLACE1003256	F-PLACE1003256	0.57
	PLACE1003296	F-PLACE1003296	0.41
	PLACE1003302	F-PLACE1003302	0.94
20	PLACE1003334	F-PLACE1003334	0.78
	PLACE1003342	F-PLACE1003342	0.34
	PLACE1003353	F-PLACE1003353	0.71
	PLACE1003366	F-PLACE1003366	0.66
	PLACE1003369	F-PLACE1003369	0.91
25	PLACE1003383	F-PLACE1003383	0.70
	PLACE1003394	F-PLACE1003394	0.94
	PLACE1003454	F-PLACE1003454	0.94
	PLACE1003493	F-PLACE1003493	0.93
30	PLACE1003537	F-PLACE1003537	0.94
	PLACE1003553	F-PLACE1003553	0.34
	PLACE1003592	F-PLACE1003592	0.33
	PLACE1003596	F-PLACE1003596	0.89
35	PLACE1003602	F-PLACE1003602	0.94
	PLACE1003605	F-PLACE1003605	0.94
	PLACE1003611	F-PLACE1003611	0.80
	PLACE1003625	F-PLACE1003625	0.39
40	PLACE1003669	F-PLACE1003669	0.79
	PLACE1003704	F-PLACE1003704	0.43
	PLACE1003709	F-PLACE1003709	0.90
	PLACE1003711	F-PLACE1003711	0.74
45	PLACE1003723	F-PLACE1003723	0.63
	PLACE1003738	F-PLACE1003738	0.91
	PLACE1003762	F-PLACE1003762	0.94
	PLACE1003771	F-PLACE1003771	0.56
	PLACE1003783	F-PLACE1003783	0.39
50	PLACE1003784	F-PLACE1003784	0.61
	PLACE1003795	F-PLACE1003795	0.32
	PLACE1003870	F-PLACE1003870	0.94
	PLACE1003885	F-PLACE1003885	0.94
55	PLACE1003886	F-PLACE1003886	0.94

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	PLACE1003888	F-PLACE1003888	0.36
	PLACE1003892	F-PLACE1003892	0.92
5	PLACE1003903	F-PLACE1003903	0.68
	PLACE1003915	F-PLACE1003915	0.54
	PLACE1003923	F-PLACE1003923	0.52
	PLACE1003936	F-PLACE1003936	0.67
10	PLACE1003968	F-PLACE1003968	0.59
	PLACE1004103	F-PLACE1004103	0.94
	PLACE1004104	F-PLACE1004104	0.44
	PLACE1004114	F-PLACE1004114	0.91
	PLACE1004128	F-PLACE1004128	0.72
15	PLACE1004149	F-PLACE1004149	0.41
	PLACE1004156	F-PLACE1004156	0.50
	PLACE1004161	F-PLACE1004161	0.77
	PLACE1004183	F-PLACE1004183	0.62
20	PLACE1004197	F-PLACE1004197	0.39
	PLACE1004203	F-PLACE1004203	0.94
	PLACE1004258	F-PLACE1004258	0.46
	PLACE1004270	F-PLACE1004270	0.65
25	PLACE1004277	F-PLACE1004277	0.86
	PLACE1004289	F-PLACE1004289	0.79
	PLACE1004302	F-PLACE1004302	0.57
	PLACE1004316	F-PLACE1004316	0.64
	PLACE1004358	F-PLACE1004358	0.85
30	PLACE1004376	F-PLACE1004376	0.64
	PLACE1004388	F-PLACE1004388	0.94
	PLACE1004405	F-PLACE1004405	0.82
	PLACE1004428	F-PLACE1004428	0.68
35	PLACE1004437	F-PLACE1004437	0.94
	PLACE1004451	F-PLACE1004451	0.39
	PLACE1004460	F-PLACE1004460	0.92
	PLACE1004473	F-PLACE1004473	0.94
40	PLACE1004510	F-PLACE1004510	0.94
	PLACE1004516	F-PLACE1004516	0.58
	PLACE1004548	F-PLACE1004548	0.59
	PLACE1004550	F-PLACE1004550	0.94
45	PLACE1004564	F-PLACE1004564	0.53
	PLACE1004629	F-PLACE1004629	0.34
	PLACE1004645	F-PLACE1004645	0.59
	PLACE1004646	F-PLACE1004646	0.35
50	PLACE1004664	F-PLACE1004664	0.31
	PLACE1004672	F-PLACE1004672	0.83
	PLACE1004674	F-PLACE1004674	0.90
	PLACE1004686	F-PLACE1004686	0.31
	PLACE1004691	F-PLACE1004691	0.89
55	PLACE1004722	F-PLACE1004722	0.48

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	PLACE1004736	F-PLACE1004736	0. 80
	PLACE1004740	F-PLACE1004740	0. 34
5	PLACE1004743	F-PLACE1004743	0. 70
	PLACE1004751	F-PLACE1004751	0. 49
	PLACE1004777	F-PLACE1004777	0. 72
	PLACE1004804	F-PLACE1004804	0. 46
10	PLACE1004814	F-PLACE1004814	0. 70
	PLACE1004824	F-PLACE1004824	0. 63
	PLACE1004868	F-PLACE1004868	0. 94
	PLACE1004885	F-PLACE1004885	0. 63
15	PLACE1004902	F-PLACE1004902	0. 56
	PLACE1004918	F-PLACE1004918	0. 85
	PLACE1004930	F-PLACE1004930	0. 83
	PLACE1004937	F-PLACE1004937	0. 46
	PLACE1004969	F-PLACE1004969	0. 62
20	PLACE1004982	F-PLACE1004982	0. 61
	PLACE1005026	F-PLACE1005026	0. 81
	PLACE1005027	F-PLACE1005027	0. 91
	PLACE1005046	F-PLACE1005046	0. 31
25	PLACE1005055	F-PLACE1005055	0. 57
	PLACE1005066	F-PLACE1005066	0. 68
	PLACE1005101	F-PLACE1005101	0. 94
	PLACE1005102	F-PLACE1005102	0. 94
30	PLACE1005181	F-PLACE1005181	0. 94
	PLACE1005187	F-PLACE1005187	0. 94
	PLACE1005206	F-PLACE1005206	0. 67
	PLACE1005232	F-PLACE1005232	0. 72
	PLACE1005243	F-PLACE1005243	0. 81
35	PLACE1005261	F-PLACE1005261	0. 75
	PLACE1005266	F-PLACE1005266	0. 55
	PLACE1005277	F-PLACE1005277	0. 43
	PLACE1005287	F-PLACE1005287	0. 77
40	PLACE1005305	F-PLACE1005305	0. 94
	PLACE1005308	F-PLACE1005308	0. 46
	PLACE1005313	F-PLACE1005313	0. 94
	PLACE1005327	F-PLACE1005327	0. 82
45	PLACE1005331	F-PLACE1005331	0. 94
	PLACE1005335	F-PLACE1005335	0. 94
	PLACE1005373	F-PLACE1005373	0. 71
	PLACE1005374	F-PLACE1005374	0. 82
50	PLACE1005480	F-PLACE1005480	0. 43
	PLACE1005481	F-PLACE1005481	0. 42
	PLACE1005494	F-PLACE1005494	0. 34
	PLACE1005530	F-PLACE1005530	0. 94
55	PLACE1005550	F-PLACE1005550	0. 86
	PLACE1005554	F-PLACE1005554	0. 34

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	PLACE1005557	F-PLACE1005557	0.80
	PLACE1005595	F-PLACE1005595	0.69
5	PLACE1005603	F-PLACE1005603	0.92
	PLACE1005623	F-PLACE1005623	0.68
	PLACE1005630	F-PLACE1005630	0.58
	PLACE1005646	F-PLACE1005646	0.31
10	PLACE1005656	F-PLACE1005656	0.85
	PLACE1005698	F-PLACE1005698	0.91
	PLACE1005727	F-PLACE1005727	0.94
	PLACE1005739	F-PLACE1005739	0.87
15	PLACE1005755	F-PLACE1005755	0.32
	PLACE1005763	F-PLACE1005763	0.74
	PLACE1005799	F-PLACE1005799	0.47
	PLACE1005803	F-PLACE1005803	0.88
	PLACE1005804	F-PLACE1005804	0.36
20	PLACE1005813	F-PLACE1005813	0.76
	PLACE1005828	F-PLACE1005828	0.43
	PLACE1005834	F-PLACE1005834	0.89
	PLACE1005851	F-PLACE1005851	0.39
25	PLACE1005876	F-PLACE1005876	0.51
	PLACE1005890	F-PLACE1005890	0.81
	PLACE1005921	F-PLACE1005921	0.90
	PLACE1005923	F-PLACE1005923	0.70
30	PLACE1005925	F-PLACE1005925	0.55
	PLACE1005934	F-PLACE1005934	0.94
	PLACE1005936	F-PLACE1005936	0.41
	PLACE1005951	F-PLACE1005951	0.34
35	PLACE1005953	F-PLACE1005953	0.31
	PLACE1005955	F-PLACE1005955	0.89
	PLACE1005966	F-PLACE1005966	0.73
	PLACE1005990	F-PLACE1005990	0.37
40	PLACE1006011	F-PLACE1006011	0.94
	PLACE1006037	F-PLACE1006037	0.65
	PLACE1006040	F-PLACE1006040	0.94
	PLACE1006119	F-PLACE1006119	0.52
	PLACE1006139	F-PLACE1006139	0.94
45	PLACE1006157	F-PLACE1006157	0.34
	PLACE1006159	F-PLACE1006159	0.50
	PLACE1006167	F-PLACE1006167	0.94
	PLACE1006170	F-PLACE1006170	0.94
50	PLACE1006195	F-PLACE1006195	0.31
	PLACE1006196	F-PLACE1006196	0.84
	PLACE1006225	F-PLACE1006225	0.87
	PLACE1006236	F-PLACE1006236	0.92
55	PLACE1006239	F-PLACE1006239	0.53
	PLACE1006246	F-PLACE1006246	0.44

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	PLACE1006248	F-PLACE1006248	0.49
	PLACE1006325	F-PLACE1006325	0.74
5	PLACE1006335	F-PLACE1006335	0.82
	PLACE1006357	F-PLACE1006357	0.33
	PLACE1006385	F-PLACE1006385	0.54
	PLACE1006412	F-PLACE1006412	0.79
10	PLACE1006414	F-PLACE1006414	0.52
	PLACE1006438	F-PLACE1006438	0.94
	PLACE1006445	F-PLACE1006445	0.37
	PLACE1006469	F-PLACE1006469	0.85
	PLACE1006482	F-PLACE1006482	0.94
15	PLACE1006488	F-PLACE1006488	0.94
	PLACE1006492	F-PLACE1006492	0.32
	PLACE1006531	F-PLACE1006531	0.45
	PLACE1006552	F-PLACE1006552	0.42
20	PLACE1006598	F-PLACE1006598	0.33
	PLACE1006615	F-PLACE1006615	0.89
	PLACE1006626	F-PLACE1006626	0.69
	PLACE1006673	F-PLACE1006673	0.61
25	PLACE1006678	F-PLACE1006678	0.53
	PLACE1006704	F-PLACE1006704	0.47
	PLACE1006731	F-PLACE1006731	0.72
	PLACE1006782	F-PLACE1006782	0.68
30	PLACE1006819	F-PLACE1006819	0.57
	PLACE1006829	F-PLACE1006829	0.47
	PLACE1006883	F-PLACE1006883	0.88
	PLACE1006901	F-PLACE1006901	0.43
	PLACE1006917	F-PLACE1006917	0.56
35	PLACE1006932	F-PLACE1006932	0.45
	PLACE1006935	F-PLACE1006935	0.58
	PLACE1006956	F-PLACE1006956	0.77
	PLACE1006958	F-PLACE1006958	0.75
40	PLACE1006961	F-PLACE1006961	0.34
	PLACE1006962	F-PLACE1006962	0.94
	PLACE1006966	F-PLACE1006966	0.56
	PLACE1006989	F-PLACE1006989	0.47
45	PLACE1007014	F-PLACE1007014	0.94
	PLACE1007021	F-PLACE1007021	0.74
	PLACE1007053	F-PLACE1007053	0.73
	PLACE1007068	F-PLACE1007068	0.43
50	PLACE1007105	F-PLACE1007105	0.88
	PLACE1007112	F-PLACE1007112	0.82
	PLACE1007178	F-PLACE1007178	0.91
	PLACE1007226	F-PLACE1007226	0.79
	PLACE1007238	F-PLACE1007238	0.94
55	PLACE1007239	F-PLACE1007239	0.94

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	PLACE1007242	F-PLACE1007242	0.48
	PLACE1007243	F-PLACE1007243	0.77
5	PLACE1007257	F-PLACE1007257	0.54
	PLACE1007274	F-PLACE1007274	0.94
	PLACE1007282	F-PLACE1007282	0.94
	PLACE1007301	F-PLACE1007301	0.34
10	PLACE1007317	F-PLACE1007317	0.43
	PLACE1007342	F-PLACE1007342	0.72
	PLACE1007346	F-PLACE1007346	0.92
	PLACE1007367	F-PLACE1007367	0.43
	PLACE1007375	F-PLACE1007375	0.85
15	PLACE1007386	F-PLACE1007386	0.58
	PLACE1007402	F-PLACE1007402	0.74
	PLACE1007409	F-PLACE1007409	0.39
	PLACE1007416	F-PLACE1007416	0.80
20	PLACE1007450	F-PLACE1007450	0.41
	PLACE1007452	F-PLACE1007452	0.68
	PLACE1007454	F-PLACE1007454	0.39
	PLACE1007460	F-PLACE1007460	0.58
25	PLACE1007484	F-PLACE1007484	0.94
	PLACE1007488	F-PLACE1007488	0.50
	PLACE1007507	F-PLACE1007507	0.44
	PLACE1007511	F-PLACE1007511	0.86
30	PLACE1007524	F-PLACE1007524	0.66
	PLACE1007537	F-PLACE1007537	0.93
	PLACE1007544	F-PLACE1007544	0.94
	PLACE1007547	F-PLACE1007547	0.65
	PLACE1007583	F-PLACE1007583	0.87
35	PLACE1007598	F-PLACE1007598	0.39
	PLACE1007618	F-PLACE1007618	0.62
	PLACE1007621	F-PLACE1007621	0.63
	PLACE1007632	F-PLACE1007632	0.75
40	PLACE1007645	F-PLACE1007645	0.94
	PLACE1007649	F-PLACE1007649	0.56
	PLACE1007688	F-PLACE1007688	0.94
	PLACE1007690	F-PLACE1007690	0.44
45	PLACE1007697	F-PLACE1007697	0.93
	PLACE1007705	F-PLACE1007705	0.61
	PLACE1007706	F-PLACE1007706	0.47
	PLACE1007725	F-PLACE1007725	0.61
50	PLACE1007729	F-PLACE1007729	0.53
	PLACE1007730	F-PLACE1007730	0.31
	PLACE1007746	F-PLACE1007746	0.81
	PLACE1007791	F-PLACE1007791	0.46
	PLACE1007810	F-PLACE1007810	0.73
55	PLACE1007843	F-PLACE1007843	0.31

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	PLACE1007846	F-PLACE1007846	0.38
	PLACE1007858	F-PLACE1007858	0.79
5	PLACE1007897	F-PLACE1007897	0.94
	PLACE1007908	F-PLACE1007908	0.94
	PLACE1007946	F-PLACE1007946	0.52
	PLACE1007954	F-PLACE1007954	0.43
10	PLACE1007955	F-PLACE1007955	0.41
	PLACE1007958	F-PLACE1007958	0.37
	PLACE1007969	F-PLACE1007969	0.87
	PLACE1007990	F-PLACE1007990	0.94
	PLACE1008000	F-PLACE1008000	0.94
15	PLACE1008002	F-PLACE1008002	0.93
	PLACE1008044	F-PLACE1008044	0.72
	PLACE1008095	F-PLACE1008095	0.94
	PLACE1008122	F-PLACE1008122	0.94
20	PLACE1008129	F-PLACE1008129	0.80
	PLACE1008132	F-PLACE1008132	0.37
	PLACE1008177	F-PLACE1008177	0.74
	PLACE1008198	F-PLACE1008198	0.94
25	PLACE1008209	F-PLACE1008209	0.54
	PLACE1008273	F-PLACE1008273	0.94
	PLACE1008275	F-PLACE1008275	0.82
	PLACE1008280	F-PLACE1008280	0.34
	PLACE1008309	F-PLACE1008309	0.90
30	PLACE1008329	F-PLACE1008329	0.38
	PLACE1008356	F-PLACE1008356	0.93
	PLACE1008368	F-PLACE1008368	0.43
	PLACE1008398	F-PLACE1008398	0.78
35	PLACE1008401	F-PLACE1008401	0.81
	PLACE1008402	F-PLACE1008402	0.88
	PLACE1008429	F-PLACE1008429	0.39
	PLACE1008457	F-PLACE1008457	0.77
40	PLACE1008465	F-PLACE1008465	0.94
	PLACE1008488	F-PLACE1008488	0.42
	PLACE1008524	F-PLACE1008524	0.41
	PLACE1008531	F-PLACE1008531	0.94
45	PLACE1008532	F-PLACE1008532	0.61
	PLACE1008533	F-PLACE1008533	0.45
	PLACE1008568	F-PLACE1008568	0.65
	PLACE1008603	F-PLACE1008603	0.42
50	PLACE1008626	F-PLACE1008626	0.94
	PLACE1008627	F-PLACE1008627	0.72
	PLACE1008629	F-PLACE1008629	0.33
	PLACE1008650	F-PLACE1008650	0.79
	PLACE1008693	F-PLACE1008693	0.32
55	PLACE1008696	F-PLACE1008696	0.39

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	PLACE1008790	F-PLACE1008790	0.81
	PLACE1008808	F-PLACE1008808	0.51
5	PLACE1008813	F-PLACE1008813	0.36
	PLACE1008854	F-PLACE1008854	0.81
	PLACE1008867	F-PLACE1008867	0.34
	PLACE1008887	F-PLACE1008887	0.49
10	PLACE1008902	F-PLACE1008902	0.91
	PLACE1008925	F-PLACE1008925	0.94
	PLACE1008934	F-PLACE1008934	0.70
	PLACE1009027	F-PLACE1009027	0.32
	PLACE1009045	F-PLACE1009045	0.42
15	PLACE1009060	F-PLACE1009060	0.69
	PLACE1009090	F-PLACE1009090	0.46
	PLACE1009091	F-PLACE1009091	0.90
	PLACE1009094	F-PLACE1009094	0.44
20	PLACE1009099	F-PLACE1009099	0.56
	PLACE1009110	F-PLACE1009110	0.84
	PLACE1009111	F-PLACE1009111	0.80
	PLACE1009113	F-PLACE1009113	0.88
25	PLACE1009130	F-PLACE1009130	0.60
	PLACE1009158	F-PLACE1009158	0.41
	PLACE1009166	F-PLACE1009166	0.94
	PLACE1009174	F-PLACE1009174	0.38
30	PLACE1009186	F-PLACE1009186	0.59
	PLACE1009190	F-PLACE1009190	0.66
	PLACE1009230	F-PLACE1009230	0.87
	PLACE1009298	F-PLACE1009298	0.41
	PLACE1009319	F-PLACE1009319	0.53
35	PLACE1009328	F-PLACE1009328	0.66
	PLACE1009335	F-PLACE1009335	0.47
	PLACE1009338	F-PLACE1009338	0.70
	PLACE1009368	F-PLACE1009368	0.94
40	PLACE1009375	F-PLACE1009375	0.76
	PLACE1009388	F-PLACE1009388	0.46
	PLACE1009404	F-PLACE1009404	0.72
	PLACE1009434	F-PLACE1009434	0.50
45	PLACE1009443	F-PLACE1009443	0.90
	PLACE1009444	F-PLACE1009444	0.33
	PLACE1009459	F-PLACE1009459	0.94
	PLACE1009468	F-PLACE1009468	0.88
50	PLACE1009476	F-PLACE1009476	0.84
	PLACE1009524	F-PLACE1009524	0.88
	PLACE1009542	F-PLACE1009542	0.55
	PLACE1009571	F-PLACE1009571	0.61
	PLACE1009581	F-PLACE1009581	0.94
55	PLACE1009596	F-PLACE1009596	0.44

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	PLACE1009607	F-PLACE1009607	0.47
	PLACE1009622	F-PLACE1009622	0.65
5	PLACE1009659	F-PLACE1009659	0.36
	PLACE1009665	F-PLACE1009665	0.43
	PLACE1009670	F-PLACE1009670	0.33
	PLACE1009708	F-PLACE1009708	0.80
	PLACE1009721	F-PLACE1009721	0.81
10	PLACE1009731	F-PLACE1009731	0.47
	PLACE1009763	F-PLACE1009763	0.94
	PLACE1009794	F-PLACE1009794	0.33
	PLACE1009798	F-PLACE1009798	0.34
15	PLACE1009845	F-PLACE1009845	0.66
	PLACE1009861	F-PLACE1009861	0.72
	PLACE1009886	F-PLACE1009886	0.63
	PLACE1009908	F-PLACE1009908	0.92
20	PLACE1009921	F-PLACE1009921	0.70
	PLACE1009971	F-PLACE1009971	0.40
	PLACE1009992	F-PLACE1009992	0.89
	PLACE1009995	F-PLACE1009995	0.88
25	PLACE1009997	F-PLACE1009997	0.41
	PLACE1010023	F-PLACE1010023	0.90
	PLACE1010031	F-PLACE1010031	0.71
	PLACE1010053	F-PLACE1010053	0.51
	PLACE1010074	F-PLACE1010074	0.75
30	PLACE1010076	F-PLACE1010076	0.53
	PLACE1010096	F-PLACE1010096	0.44
	PLACE1010102	F-PLACE1010102	0.77
	PLACE1010105	F-PLACE1010105	0.58
35	PLACE1010106	F-PLACE1010106	0.39
	PLACE1010134	F-PLACE1010134	0.85
	PLACE1010148	F-PLACE1010148	0.32
	PLACE1010152	F-PLACE1010152	0.94
40	PLACE1010194	F-PLACE1010194	0.94
	PLACE1010202	F-PLACE1010202	0.33
	PLACE1010261	F-PLACE1010261	0.36
	PLACE1010274	F-PLACE1010274	0.94
45	PLACE1010293	F-PLACE1010293	0.55
	PLACE1010310	F-PLACE1010310	0.41
	PLACE1010321	F-PLACE1010321	0.40
	PLACE1010324	F-PLACE1010324	0.40
	PLACE1010329	F-PLACE1010329	0.36
50	PLACE1010362	F-PLACE1010362	0.34
	PLACE1010364	F-PLACE1010364	0.37
	PLACE1010383	F-PLACE1010383	0.94
	PLACE1010401	F-PLACE1010401	0.53
55	PLACE1010481	F-PLACE1010481	0.74

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	PLACE1010491	F-PLACE1010491	0.31
	PLACE1010492	F-PLACE1010492	0.39
	PLACE1010522	F-PLACE1010522	0.92
5	PLACE1010529	F-PLACE1010529	0.65
	PLACE1010547	F-PLACE1010547	0.82
	PLACE1010580	F-PLACE1010580	0.72
	PLACE1010599	F-PLACE1010599	0.83
10	PLACE1010616	F-PLACE1010616	0.54
	PLACE1010622	F-PLACE1010622	0.92
	PLACE1010629	F-PLACE1010629	0.94
	PLACE1010630	F-PLACE1010630	0.37
15	PLACE1010661	F-PLACE1010661	0.56
	PLACE1010714	F-PLACE1010714	0.68
	PLACE1010720	F-PLACE1010720	0.90
	PLACE1010743	F-PLACE1010743	0.75
20	PLACE1010761	F-PLACE1010761	0.69
	PLACE1010771	F-PLACE1010771	0.94
	PLACE1010786	F-PLACE1010786	0.80
	PLACE1010800	F-PLACE1010800	0.41
25	PLACE1010811	F-PLACE1010811	0.94
	PLACE1010833	F-PLACE1010833	0.94
	PLACE1010856	F-PLACE1010856	0.37
	PLACE1010857	F-PLACE1010857	0.54
	PLACE1010870	F-PLACE1010870	0.50
30	PLACE1010877	F-PLACE1010877	0.77
	PLACE1010900	F-PLACE1010900	0.70
	PLACE1010917	F-PLACE1010917	0.94
	PLACE1010925	F-PLACE1010925	0.79
35	PLACE1010926	F-PLACE1010926	0.94
	PLACE1010942	F-PLACE1010942	0.36
	PLACE1010944	F-PLACE1010944	0.61
	PLACE1010954	F-PLACE1010954	0.83
40	PLACE1010960	F-PLACE1010960	0.38
	PLACE1010965	F-PLACE1010965	0.68
	PLACE1011026	F-PLACE1011026	0.38
	PLACE1011041	F-PLACE1011041	0.94
45	PLACE1011046	F-PLACE1011046	0.85
	PLACE1011054	F-PLACE1011054	0.65
	PLACE1011056	F-PLACE1011056	0.82
	PLACE1011090	F-PLACE1011090	0.94
50	PLACE1011114	F-PLACE1011114	0.94
	PLACE1011160	F-PLACE1011160	0.62
	PLACE1011214	F-PLACE1011214	0.40
	PLACE1011219	F-PLACE1011219	0.48
	PLACE1011221	F-PLACE1011221	0.94
55	PLACE1011229	F-PLACE1011229	0.46

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	PLACE1011263	F-PLACE1011263	0.94
	PLACE1011273	F-PLACE1011273	0.32
5	PLACE1011291	F-PLACE1011291	0.55
	PLACE1011310	F-PLACE1011310	0.74
	PLACE1011325	F-PLACE1011325	0.39
	PLACE1011332	F-PLACE1011332	0.74
	PLACE1011371	F-PLACE1011371	0.32
10	PLACE1011399	F-PLACE1011399	0.89
	PLACE1011433	F-PLACE1011433	0.33
	PLACE1011472	F-PLACE1011472	0.59
	PLACE1011477	F-PLACE1011477	0.80
15	PLACE1011563	F-PLACE1011563	0.83
	PLACE1011586	F-PLACE1011586	0.82
	PLACE1011635	F-PLACE1011635,	0.62
	PLACE1011646	F-PLACE1011646	0.37
20	PLACE1011664	F-PLACE1011664	0.65
	PLACE1011675	F-PLACE1011675	0.89
	PLACE1011682	F-PLACE1011682	0.81
	PLACE1011725	F-PLACE1011725	0.86
25	PLACE1011783	F-PLACE1011783	0.78
	PLACE1011858	F-PLACE1011858	0.76
	PLACE1011875	F-PLACE1011875	0.49
	PLACE1011891	F-PLACE1011891	0.34
	PLACE1011896	F-PLACE1011896	0.34
30	PLACE1011922	F-PLACE1011922	0.46
	PLACE1011923	F-PLACE1011923	0.74
	PLACE1011982	F-PLACE1011982	0.71
	PLACE1012031	F-PLACE1012031	0.80
35	PLACE2000006	F-PLACE2000006	0.61
	PLACE2000007	F-PLACE2000007	0.37
	PLACE2000014	F-PLACE2000014	0.67
	PLACE2000015	F-PLACE2000015	0.53
40	PLACE2000021	F-PLACE2000021	0.36
	PLACE2000030	F-PLACE2000030	0.83
	PLACE2000033	F-PLACE2000033	0.44
	PLACE2000034	F-PLACE2000034	0.88
45	PLACE2000039	F-PLACE2000039	0.67
	PLACE2000047	F-PLACE2000047	0.84
	PLACE2000050	F-PLACE2000050	0.41
	PLACE2000062	F-PLACE2000062	0.94
50	PLACE2000072	F-PLACE2000072	0.86
	PLACE2000097	F-PLACE2000097	0.94
	PLACE2000100	F-PLACE2000100	0.75
	PLACE2000111	F-PLACE2000111	0.62
	PLACE2000124	F-PLACE2000124	0.77
55	PLACE2000164	F-PLACE2000164	0.57

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	PLACE2000170	F-PLACE2000170	0.60
	PLACE2000172	F-PLACE2000172	0.55
5	PLACE2000223	F-PLACE2000223	0.54
	PLACE2000235	F-PLACE2000235	0.94
	PLACE2000246	F-PLACE2000246	0.94
	PLACE2000274	F-PLACE2000274	0.82
10	PLACE2000302	F-PLACE2000302	0.92
	PLACE2000341	F-PLACE2000341	0.58
	PLACE2000359	F-PLACE2000359	0.33
	PLACE2000371	F-PLACE2000371	0.71
	PLACE2000373	F-PLACE2000373	0.65
15	PLACE2000399	F-PLACE2000399	0.41
	PLACE2000404	F-PLACE2000404	0.94
	PLACE2000411	F-PLACE2000411	0.90
	PLACE2000427	F-PLACE2000427	0.60
20	PLACE2000433	F-PLACE2000433	0.61
	PLACE2000438	F-PLACE2000438	0.56
	PLACE2000458	F-PLACE2000458	0.82
	PLACE3000009	F-PLACE3000009	0.56
25	PLACE3000020	F-PLACE3000020	0.94
	PLACE3000029	F-PLACE3000029	0.94
	PLACE3000059	F-PLACE3000059	0.51
	PLACE3000070	F-PLACE3000070	0.67
	PLACE3000103	F-PLACE3000103	0.34
30	PLACE3000121	F-PLACE3000121	0.32
	PLACE3000142	F-PLACE3000142	0.67
	PLACE3000145	F-PLACE3000145	0.84
	PLACE3000147	F-PLACE3000147	0.57
35	PLACE3000148	F-PLACE3000148	0.94
	PLACE3000155	F-PLACE3000155	0.42
	PLACE3000156	F-PLACE3000156	0.40
	PLACE3000157	F-PLACE3000157	0.75
40	PLACE3000160	F-PLACE3000160	0.44
	PLACE3000194	F-PLACE3000194	0.37
	PLACE3000197	F-PLACE3000197	0.37
	PLACE3000221	F-PLACE3000221	0.49
45	PLACE3000226	F-PLACE3000226	0.39
	PLACE3000242	F-PLACE3000242	0.94
	PLACE3000244	F-PLACE3000244	0.56
	PLACE3000254	F-PLACE3000254	0.60
	PLACE3000304	F-PLACE3000304	0.42
50	PLACE3000310	F-PLACE3000310	0.71
	PLACE3000320	F-PLACE3000320	0.37
	PLACE3000322	F-PLACE3000322	0.46
	PLACE3000331	F-PLACE3000331	0.31
55	PLACE3000339	F-PLACE3000339	0.45

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	PLACE3000350	F-PLACE3000350	0.52
	PLACE3000352	F-PLACE3000352	0.65
5	PLACE3000353	F-PLACE3000353	0.71
	PLACE3000363	F-PLACE3000363	0.45
	PLACE3000405	F-PLACE3000405	0.52
	PLACE3000413	F-PLACE3000413	0.85
	PLACE3000416	F-PLACE3000416	0.94
10	PLACE3000425	F-PLACE3000425	0.40
	PLACE3000455	F-PLACE3000455	0.45
	PLACE3000477	F-PLACE3000477	0.79
	PLACE4000009	F-PLACE4000009	0.74
15	PLACE4000014	F-PLACE4000014	0.46
	PLACE4000034	F-PLACE4000034	0.89
	PLACE4000049	F-PLACE4000049	0.68
	PLACE4000052	F-PLACE4000052	0.80
20	PLACE4000063	F-PLACE4000063	0.69
	PLACE4000089	F-PLACE4000089	0.44
	PLACE4000106	F-PLACE4000106	0.34
	PLACE4000128	F-PLACE4000128	0.89
25	PLACE4000129	F-PLACE4000129	0.61
	PLACE4000131	F-PLACE4000131	0.55
	PLACE4000147	F-PLACE4000147	0.94
	PLACE4000156	F-PLACE4000156	0.37
	PLACE4000192	F-PLACE4000192	0.88
30	PLACE4000211	F-PLACE4000211	0.64
	PLACE4000222	F-PLACE4000222	0.40
	PLACE4000230	F-PLACE4000230	0.49
	PLACE4000259	F-PLACE4000259	0.84
35	PLACE4000261	F-PLACE4000261	0.42
	PLACE4000269	F-PLACE4000269	0.60
	PLACE4000270	F-PLACE4000270	0.61
	PLACE4000300	F-PLACE4000300	0.85
40	PLACE4000323	F-PLACE4000323	0.76
	PLACE4000326	F-PLACE4000326	0.86
	PLACE4000369	F-PLACE4000369	0.87
	PLACE4000387	F-PLACE4000387	0.41
45	PLACE4000392	F-PLACE4000392	0.39
	PLACE4000431	F-PLACE4000431	0.88
	PLACE4000445	F-PLACE4000445	0.40
	PLACE4000450	F-PLACE4000450	0.89
50	PLACE4000465	F-PLACE4000465	0.38
	PLACE4000487	F-PLACE4000487	0.44
	PLACE4000489	F-PLACE4000489	0.51
	PLACE4000521	F-PLACE4000521	0.38
	PLACE4000522	F-PLACE4000522	0.33
55	PLACE4000558	F-PLACE4000558	0.44

	PLACE4000581	F-PLACE4000581	0.59
	PLACE4000590	F-PLACE4000590	0.38
5	PLACE4000593	F-PLACE4000593	0.33
	PLACE4000612	F-PLACE4000612	0.37
	PLACE4000638	F-PLACE4000638	0.38
	PLACE4000650	F-PLACE4000650	0.59
	PLACE4000654	F-PLACE4000654	0.57
10	PLACE4000670	F-PLACE4000670	0.71
	SKNMC1000011	F-SKNMC1000011	0.94
	SKNMC1000013	F-SKNMC1000013	0.66
	SKNMC1000046	F-SKNMC1000046	0.72
15	SKNMC1000050	F-SKNMC1000050	0.47
	SKNMC1000091	F-SKNMC1000091	0.68
	THYRO1000017	F-THYRO1000017	0.93
	THYRO1000034	F-THYRO1000034	0.48
20	THYRO1000040	F-THYRO1000040	0.32
	THYRO1000070	F-THYRO1000070	0.75
	THYRO1000072	F-THYRO1000072	0.94
	THYRO1000107	F-THYRO1000107	0.94
25	THYRO1000121	F-THYRO1000121	0.46
	THYRO1000124	F-THYRO1000124	0.37
	THYRO1000163	F-THYRO1000163	0.45
	THYRO1000173	F-THYRO1000173	0.94
	THYRO1000197	F-THYRO1000197	0.78
30	THYRO1000199	F-THYRO1000199	0.55
	THYRO1000206	F-THYRO1000206	0.59
	THYRO1000242	F-THYRO1000242	0.69
	THYRO1000253	F-THYRO1000253	0.48
35	THYRO1000270	F-THYRO1000270	0.85
	THYRO1000288	F-THYRO1000288	0.31
	THYRO1000320	F-THYRO1000320	0.94
	THYRO1000327	F-THYRO1000327	0.44
40	THYRO1000343	F-THYRO1000343	0.82
	THYRO1000358	F-THYRO1000358	0.89
	THYRO1000368	F-THYRO1000368	0.94
	THYRO1000381	F-THYRO1000381	0.64
45	THYRO1000387	F-THYRO1000387	0.57
	THYRO1000394	F-THYRO1000394	0.94
	THYRO1000395	F-THYRO1000395	0.91
	THYRO1000401	F-THYRO1000401	0.73
50	THYRO1000488	F-THYRO1000488	0.94
	THYRO1000501	F-THYRO1000501	0.74
	THYRO1000502	F-THYRO1000502	0.64
	THYRO1000505	F-THYRO1000505	0.47
	THYRO1000569	F-THYRO1000569	0.76
55	THYRO1000570	F-THYRO1000570	0.79

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	THYR01000585	F-THYR01000585	0.60
	THYR01000605	F-THYR01000605	0.79
5	THYR01000637	F-THYR01000637	0.80
	THYR01000662	F-THYR01000662	0.77
	THYR01000666	F-THYR01000666	0.47
	THYR01000676	F-THYR01000676	0.94
	THYR01000684	F-THYR01000684	0.72
10	THYR01000712	F-THYR01000712	0.94
	THYR01000715	F-THYR01000715	0.94
	THYR01000734	F-THYR01000734	0.44
	THYR01000756	F-THYR01000756	0.94
15	THYR01000777	F-THYR01000777	0.73
	THYR01000783	F-THYR01000783	0.74
	THYR01000787	F-THYR01000787	0.67
	THYR01000829	F-THYR01000829	0.43
20	THYR01000855	F-THYR01000855	0.91
	THYR01000916	F-THYR01000916	0.64
	THYR01000926	F-THYR01000926	0.39
	THYR01000934	F-THYR01000934	0.94
25	THYR01000951	F-THYR01000951	0.94
	THYR01000952	F-THYR01000952	0.67
	THYR01000983	F-THYR01000983	0.87
	THYR01000984	F-THYR01000984	0.94
	THYR01000988	F-THYR01000988	0.37
30	THYR01001033	F-THYR01001033	0.74
	THYR01001100	F-THYR01001100	0.74
	THYR01001120	F-THYR01001120	0.87
	THYR01001134	F-THYR01001134	0.93
35	THYR01001142	F-THYR01001142	0.61
	THYR01001173	F-THYR01001173	0.50
	THYR01001189	F-THYR01001189	0.40
	THYR01001204	F-THYR01001204	0.94
40	THYR01001213	F-THYR01001213	0.94
	THYR01001271	F-THYR01001271	0.93
	THYR01001287	F-THYR01001287	0.32
	THYR01001313	F-THYR01001313	0.53
45	THYR01001320	F-THYR01001320	0.68
	THYR01001347	F-THYR01001347	0.68
	THYR01001363	F-THYR01001363	0.39
	THYR01001374	F-THYR01001374	0.94
	THYR01001403	F-THYR01001403	0.49
50	THYR01001405	F-THYR01001405	0.90
	THYR01001406	F-THYR01001406	0.67
	THYR01001458	F-THYR01001458	0.94
	THYR01001487	F-THYR01001487	0.63
55	THYR01001537	F-THYR01001537	0.94

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	THYR01001584	F-THYR01001584	0.77
	THYR01001602	F-THYR01001602	0.64
5	THYR01001605	F-THYR01001605	0.52
	THYR01001637	F-THYR01001637	0.68
	THYR01001656	F-THYR01001656	0.82
	THYR01001661	F-THYR01001661	0.94
10	THYR01001671	F-THYR01001671	0.94
	THYR01001703	F-THYR01001703	0.87
	THYR01001721	F-THYR01001721	0.38
	THYR01001738	F-THYR01001738	0.51
	THYR01001793	F-THYR01001793	0.84
15	THYR01001809	F-THYR01001809	0.73
	THYR01001828	F-THYR01001828	0.88
	THYR01001854	F-THYR01001854	0.47
	VESEN1000122	F-VESEN1000122	0.36
20	Y79AA1000013	F-Y79AA1000013	0.94
	Y79AA1000037	F-Y79AA1000037	0.94
	Y79AA1000059	F-Y79AA1000059	0.94
	Y79AA1000131	F-Y79AA1000131	0.56
25	Y79AA1000181	F-Y79AA1000181	0.59
	Y79AA1000202	F-Y79AA1000202	0.45
	Y79AA1000214	F-Y79AA1000214	0.93
	Y79AA1000230	F-Y79AA1000230	0.94
	Y79AA1000231	F-Y79AA1000231	0.36
30	Y79AA1000258	F-Y79AA1000258	0.36
	Y79AA1000268	F-Y79AA1000268	0.92
	Y79AA1000313	F-Y79AA1000313	0.91
	Y79AA1000328	F-Y79AA1000328	0.94
35	Y79AA1000342	F-Y79AA1000342	0.83
	Y79AA1000349	F-Y79AA1000349	0.50
	Y79AA1000355	F-Y79AA1000355	0.94
	Y79AA1000368	F-Y79AA1000368	0.91
40	Y79AA1000420	F-Y79AA1000420	0.94
	Y79AA1000469	F-Y79AA1000469	0.51
	Y79AA1000480	F-Y79AA1000480	0.94
	Y79AA1000539	F-Y79AA1000539	0.74
45	Y79AA1000540	F-Y79AA1000540	0.94
	Y79AA1000560	F-Y79AA1000560	0.93
	Y79AA1000574	F-Y79AA1000574	0.87
	Y79AA1000589	F-Y79AA1000589	0.94
	Y79AA1000627	F-Y79AA1000627	0.55
50	Y79AA1000705	F-Y79AA1000705	0.76
	Y79AA1000734	F-Y79AA1000734	0.60
	Y79AA1000748	F-Y79AA1000748	0.45
	Y79AA1000752	F-Y79AA1000752	0.94
55	Y79AA1000774	F-Y79AA1000774	0.38

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	Y79AA1000782	F-Y79AA1000782	0. 47
	Y79AA1000784	F-Y79AA1000784	0. 93
5	Y79AA1000794	F-Y79AA1000794	0. 67
	Y79AA1000800	F-Y79AA1000800	0. 94
	Y79AA1000824	F-Y79AA1000824	0. 90
	Y79AA1000827	F-Y79AA1000827	0. 94
10	Y79AA1000833	F-Y79AA1000833	0. 34
	Y79AA1000850	F-Y79AA1000850	0. 92
	Y79AA1000962	F-Y79AA1000962	0. 69
	Y79AA1000966	F-Y79AA1000966	0. 64
	Y79AA1000968	F-Y79AA1000968	0. 64
15	Y79AA1000976	F-Y79AA1000976	0. 66
	Y79AA1000985	F-Y79AA1000985	0. 66
	Y79AA1001023	F-Y79AA1001023	0. 33
	Y79AA1001041	F-Y79AA1001041	0. 90
20	Y79AA1001048	F-Y79AA1001048	0. 81
	Y79AA1001068	F-Y79AA1001068	0. 64
	Y79AA1001077	F-Y79AA1001077	0. 78
	Y79AA1001078	F-Y79AA1001078	0. 92
25	Y79AA1001105	F-Y79AA1001105	0. 70
	Y79AA1001145	F-Y79AA1001145	0. 46
	Y79AA1001177	F-Y79AA1001177	0. 74
	Y79AA1001185	F-Y79AA1001185	0. 74
30	Y79AA1001211	F-Y79AA1001211	0. 94
	Y79AA1001216	F-Y79AA1001216	0. 61
	Y79AA1001228	F-Y79AA1001228	0. 56
	Y79AA1001233	F-Y79AA1001233	0. 83
	Y79AA1001236	F-Y79AA1001236	0. 32
35	Y79AA1001281	F-Y79AA1001281	0. 51
	Y79AA1001299	F-Y79AA1001299	0. 94
	Y79AA1001312	F-Y79AA1001312	0. 53
	Y79AA1001323	F-Y79AA1001323	0. 76
40	Y79AA1001391	F-Y79AA1001391	0. 83
	Y79AA1001394	F-Y79AA1001394	0. 94
	Y79AA1001402	F-Y79AA1001402	0. 90
	Y79AA1001493	F-Y79AA1001493	0. 94
45	Y79AA1001511	F-Y79AA1001511	0. 47
	Y79AA1001533	F-Y79AA1001533	0. 92
	Y79AA1001541	F-Y79AA1001541	0. 32
	Y79AA1001548	F-Y79AA1001548	0. 50
50	Y79AA1001555	F-Y79AA1001555	0. 92
	Y79AA1001581	F-Y79AA1001581	0. 94
	Y79AA1001585	F-Y79AA1001585	0. 80
	Y79AA1001603	F-Y79AA1001603	0. 94
	Y79AA1001613	F-Y79AA1001613	0. 94
55	Y79AA1001647	F-Y79AA1001647	0. 49

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	Y79AA1001665	F-Y79AA1001665	0.78
	Y79AA1001679	F-Y79AA1001679	0.94
5	Y79AA1001696	F-Y79AA1001696	0.60
	Y79AA1001705	F-Y79AA1001705	0.67
	Y79AA1001711	F-Y79AA1001711	0.59
	Y79AA1001781	F-Y79AA1001781	0.74
10	Y79AA1001805	F-Y79AA1001805	0.79
	Y79AA1001827	F-Y79AA1001827	0.84
	Y79AA1001846	F-Y79AA1001846	0.34
	Y79AA1001866	F-Y79AA1001866	0.75
15	Y79AA1001874	F-Y79AA1001874	0.59
	Y79AA1001923	F-Y79AA1001923	0.32
	Y79AA1001963	F-Y79AA1001963	0.51
	Y79AA1002027	F-Y79AA1002027	0.39
20	Y79AA1002083	F-Y79AA1002083	0.65
	Y79AA1002089	F-Y79AA1002089	0.94
	Y79AA1002093	F-Y79AA1002093	0.89
	Y79AA1002115	F-Y79AA1002115	0.31
25	Y79AA1002125	F-Y79AA1002125	0.76
	Y79AA1002139	F-Y79AA1002139	0.32
	Y79AA1002204	F-Y79AA1002204	0.94
30	Y79AA1002208	F-Y79AA1002208	0.76
	Y79AA1002209	F-Y79AA1002209	0.91
	Y79AA1002210	F-Y79AA1002210	0.60
	Y79AA1002229	F-Y79AA1002229	0.76
35	Y79AA1002234	F-Y79AA1002234	0.94
	Y79AA1002246	F-Y79AA1002246	0.65
	Y79AA1002258	F-Y79AA1002258	0.79
	Y79AA1002298	F-Y79AA1002298	0.83
40	Y79AA1002307	F-Y79AA1002307	0.52
	Y79AA1002311	F-Y79AA1002311	0.92
	Y79AA1002351	F-Y79AA1002351	0.85
	Y79AA1002361	F-Y79AA1002361	0.90
45	Y79AA1002399	F-Y79AA1002399	0.94
	Y79AA1002407	F-Y79AA1002407	0.83
	Y79AA1002416	F-Y79AA1002416	0.77
	Y79AA1002431	F-Y79AA1002431	0.61
50	Y79AA1002433	F-Y79AA1002433	0.81
	Y79AA1002472	F-Y79AA1002472	0.39
	Y79AA1002482	F-Y79AA1002482	0.88
55	Y79AA1002487	F-Y79AA1002487	0.87

Table 10

Selected clones having the maximal ATGpr1 score of not more than 0.3 (1857 clones including the 9 clones whose 5'-end sequence does not contain the ATG codon. Blank of the maximal ATGpr1 score indicates that clones whose 5'-end sequence does not contain the ATG codon).

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	clone name	name of sequence	maximal ATGpr1 score
5			
	HEMBA1000042	F-HEMBA1000042	0.08
	HEMBA1000111	F-HEMBA1000111	0.1
10	HEMBA1000180	F-HEMBA1000180	0.09
	HEMBA1000213	F-HEMBA1000213	0.21
	HEMBA1000243	F-HEMBA1000243	0.1
	HEMBA1000251	F-HEMBA1000251	0.08
15	HEMBA1000264	F-HEMBA1000264	0.08
	HEMBA1000280	F-HEMBA1000280	0.13
	HEMBA1000282	F-HEMBA1000282	0.1
	HEMBA1000333	F-HEMBA1000333	0.17
20	HEMBA1000338	F-HEMBA1000338	0.16
	HEMBA1000351	F-HEMBA1000351	0.17
	HEMBA1000355	F-HEMBA1000355	0.11
	HEMBA1000357	F-HEMBA1000357	0.08
25	HEMBA1000366	F-HEMBA1000366	0.11
	HEMBA1000376	F-HEMBA1000376	0.1
	HEMBA1000390	F-HEMBA1000390	0.11
	HEMBA1000411	F-HEMBA1000411	0.07
	HEMBA1000418	F-HEMBA1000418	0.06
30	HEMBA1000422	F-HEMBA1000422	0.07
	HEMBA1000428	F-HEMBA1000428	0.08
	HEMBA1000434	F-HEMBA1000434	0.11
	HEMBA1000442	F-HEMBA1000442	0.1
35	HEMBA1000459	F-HEMBA1000459	0.08
	HEMBA1000464	F-HEMBA1000464	0.12
	HEMBA1000469	F-HEMBA1000469	0.07
	HEMBA1000504	F-HEMBA1000504	0.1
40	HEMBA1000518	F-HEMBA1000518	0.23
	HEMBA1000519	F-HEMBA1000519	0.3
	HEMBA1000540	F-HEMBA1000540	0.06
	HEMBA1000545	F-HEMBA1000545	0.18
45	HEMBA1000557	F-HEMBA1000557	0.19
	HEMBA1000563	F-HEMBA1000563	0.17
	HEMBA1000569	F-HEMBA1000569	0.12
	HEMBA1000575	F-HEMBA1000575	0.14
50	HEMBA1000604	F-HEMBA1000604	0.1
	HEMBA1000622	F-HEMBA1000622	0.08
	HEMBA1000655	F-HEMBA1000655	0.19
	HEMBA1000662	F-HEMBA1000662	0.15
55	HEMBA1000673	F-HEMBA1000673	0.08
	HEMBA1000702	F-HEMBA1000702	0.12

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	HEMBA1000705	F-HEMBA1000705	0.06
	HEMBA1000722	F-HEMBA1000722	0.17
	HEMBA1000726	F-HEMBA1000726	0.08
5	HEMBA1000747	F-HEMBA1000747	0.06
	HEMBA1000749	F-HEMBA1000749	0.09
	HEMBA1000769	F-HEMBA1000769	0.19
	HEMBA1000773	F-HEMBA1000773	0.08
10	HEMBA1000774	F-HEMBA1000774	0.17
	HEMBA1000791	F-HEMBA1000791	0.08
	HEMBA1000822	F-HEMBA1000822	0.19
	HEMBA1000827	F-HEMBA1000827	0.09
15	HEMBA1000843	F-HEMBA1000843	0.12
	HEMBA1000852	F-HEMBA1000852	0.16
	HEMBA1000870	F-HEMBA1000870	0.14
	HEMBA1000876	F-HEMBA1000876	0.15
20	HEMBA1000908	F-HEMBA1000908	0.17
	HEMBA1000934	F-HEMBA1000934	0.2
	HEMBA1000943	F-HEMBA1000943	0.08
	HEMBA1000960	F-HEMBA1000960	0.09
25	HEMBA1000972	F-HEMBA1000972	0.12
	HEMBA1000974	F-HEMBA1000974	0.08
	HEMBA1000985	F-HEMBA1000985	0.06
	HEMBA1000991	F-HEMBA1000991	0.23
30	HEMBA1001007	F-HEMBA1001007	0.06
	HEMBA1001017	F-HEMBA1001017	0.06
	HEMBA1001019	F-HEMBA1001019	0.08
	HEMBA1001020	F-HEMBA1001020	0.15
35	HEMBA1001024	F-HEMBA1001024	0.1
	HEMBA1001026	F-HEMBA1001026	0.13
	HEMBA1001051	F-HEMBA1001051	0.27
	HEMBA1001060	F-HEMBA1001060	0.11
40	HEMBA1001071	F-HEMBA1001071	0.1
	HEMBA1001077	F-HEMBA1001077	0.07
	HEMBA1001094	F-HEMBA1001094	0.07
	HEMBA1001099	F-HEMBA1001099	0.08
45	HEMBA1001121	F-HEMBA1001121	0.25
	HEMBA1001123	F-HEMBA1001123	0.05
	HEMBA1001172	F-HEMBA1001172	0.08
	HEMBA1001208	F-HEMBA1001208	0.11
	HEMBA1001226	F-HEMBA1001226	0.27
50	HEMBA1001265	F-HEMBA1001265	0.06
	HEMBA1001294	F-HEMBA1001294	0.12
	HEMBA1001299	F-HEMBA1001299	0.2
	HEMBA1001319	F-HEMBA1001319	0.3
55	HEMBA1001323	F-HEMBA1001323	0.07
	HEMBA1001327	F-HEMBA1001327	0.08

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	HEMBA1001330	F-HEMBA1001330	0.11
	HEMBA1001375	F-HEMBA1001375	0.15
5	HEMBA1001383	F-HEMBA1001383	0.11
	HEMBA1001391	F-HEMBA1001391	0.21
	HEMBA1001411	F-HEMBA1001411	0.06
	HEMBA1001432	F-HEMBA1001432	0.07
10	HEMBA1001433	F-HEMBA1001433	0.24
	HEMBA1001435	F-HEMBA1001435	0.16
	HEMBA1001442	F-HEMBA1001442	0.22
	HEMBA1001454	F-HEMBA1001454	0.11
	HEMBA1001463	F-HEMBA1001463	0.08
15	HEMBA1001478	F-HEMBA1001478	0.13
	HEMBA1001515	F-HEMBA1001515	0.3
	HEMBA1001517	F-HEMBA1001517	0.07
	HEMBA1001522	F-HEMBA1001522	0.3
20	HEMBA1001557	F-HEMBA1001557	0.06
	HEMBA1001566	F-HEMBA1001566	0.1
	HEMBA1001585	F-HEMBA1001585	0.09
	HEMBA1001589	F-HEMBA1001589	0.06
25	HEMBA1001608	F-HEMBA1001608	0.17
	HEMBA1001636	F-HEMBA1001636	0.15
	HEMBA1001651	F-HEMBA1001651	0.23
	HEMBA1001658	F-HEMBA1001658	0.17
30	HEMBA1001675	F-HEMBA1001675	0.11
	HEMBA1001678	F-HEMBA1001678	0.06
	HEMBA1001681	F-HEMBA1001681	0.1
	HEMBA1001709	F-HEMBA1001709	0.29
	HEMBA1001712	F-HEMBA1001712	0.08
35	HEMBA1001718	F-HEMBA1001718	0.07
	HEMBA1001734	F-HEMBA1001734	0.07
	HEMBA1001745	F-HEMBA1001745	0.09
	HEMBA1001761	F-HEMBA1001761	0.09
40	HEMBA1001784	F-HEMBA1001784	0.11
	HEMBA1001791	F-HEMBA1001791	0.15
	HEMBA1001803	F-HEMBA1001803	0.21
	HEMBA1001808	F-HEMBA1001808	0.18
45	HEMBA1001820	F-HEMBA1001820	0.08
	HEMBA1001835	F-HEMBA1001835	0.29
	HEMBA1001844	F-HEMBA1001844	0.11
	HEMBA1001861	F-HEMBA1001861	0.2
50	HEMBA1001888	F-HEMBA1001888	0.18
	HEMBA1001918	F-HEMBA1001918	0.09
	HEMBA1001940	F-HEMBA1001940	0.21
	HEMBA1001942	F-HEMBA1001942	0.17
	HEMBA1001945	F-HEMBA1001945	0.06
55	HEMBA1001960	F-HEMBA1001960	

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	HEMBA1001962	F-HEMBA1001962	0.08
	HEMBA1001964	F-HEMBA1001964	0.15
	HEMBA1001979	F-HEMBA1001979	0.07
5	HEMBA1001991	F-HEMBA1001991	0.08
	HEMBA1002003	F-HEMBA1002003	0.11
	HEMBA1002008	F-HEMBA1002008	0.08
	HEMBA1002022	F-HEMBA1002022	0.08
10	HEMBA1002039	F-HEMBA1002039	0.2
	HEMBA1002100	F-HEMBA1002100	0.07
	HEMBA1002113	F-HEMBA1002113	0.09
	HEMBA1002139	F-HEMBA1002139	0.2
15	HEMBA1002144	F-HEMBA1002144	0.11
	HEMBA1002153	F-HEMBA1002153	0.09
	HEMBA1002160	F-HEMBA1002160	0.15
	HEMBA1002162	F-HEMBA1002162	0.19
20	HEMBA1002166	F-HEMBA1002166	0.06
	HEMBA1002185	F-HEMBA1002185	0.11
	HEMBA1002204	F-HEMBA1002204	0.09
	HEMBA1002226	F-HEMBA1002226	0.13
25	HEMBA1002253	F-HEMBA1002253	0.05
	HEMBA1002257	F-HEMBA1002257	0.09
	HEMBA1002270	F-HEMBA1002270	0.06
	HEMBA1002321	F-HEMBA1002321	0.07
	HEMBA1002328	F-HEMBA1002328	0.06
30	HEMBA1002337	F-HEMBA1002337	0.11
	HEMBA1002348	F-HEMBA1002348	0.12
	HEMBA1002349	F-HEMBA1002349	0.05
	HEMBA1002381	F-HEMBA1002381	0.09
35	HEMBA1002389	F-HEMBA1002389	0.14
	HEMBA1002486	F-HEMBA1002486	0.1
	HEMBA1002498	F-HEMBA1002498	0.17
	HEMBA1002538	F-HEMBA1002538	0.27
40	HEMBA1002552	F-HEMBA1002552	0.23
	HEMBA1002555	F-HEMBA1002555	0.11
	HEMBA1002558	F-HEMBA1002558	0.11
	HEMBA1002561	F-HEMBA1002561	0.11
45	HEMBA1002590	F-HEMBA1002590	0.06
	HEMBA1002592	F-HEMBA1002592	0.17
	HEMBA1002621	F-HEMBA1002621	0.12
	HEMBA1002628	F-HEMBA1002628	0.06
50	HEMBA1002629	F-HEMBA1002629	0.23
	HEMBA1002645	F-HEMBA1002645	0.12
	HEMBA1002651	F-HEMBA1002651	0.08
	HEMBA1002659	F-HEMBA1002659	0.28
	HEMBA1002661	F-HEMBA1002661	0.28
55	HEMBA1002666	F-HEMBA1002666	0.16

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	HEMBA1002678	F-HEMBA1002678	0.07
	HEMBA1002679	F-HEMBA1002679	0.14
5	HEMBA1002712	F-HEMBA1002712	0.26
	HEMBA1002716	F-HEMBA1002716	0.14
	HEMBA1002728	F-HEMBA1002728	0.09
	HEMBA1002730	F-HEMBA1002730	0.07
	HEMBA1002742	F-HEMBA1002742	0.09
10	HEMBA1002748	F-HEMBA1002748	0.17
	HEMBA1002780	F-HEMBA1002780	0.1
	HEMBA1002801	F-HEMBA1002801	0.1
	HEMBA1002826	F-HEMBA1002826	0.1
15	HEMBA1002833	F-HEMBA1002833	0.14
	HEMBA1002886	F-HEMBA1002886	0.09
	HEMBA1002896	F-HEMBA1002896	0.05
	HEMBA1002921	F-HEMBA1002921	0.25
20	HEMBA1002924	F-HEMBA1002924	0.12
	HEMBA1002934	F-HEMBA1002934	0.2
	HEMBA1002944	F-HEMBA1002944	0.12
	HEMBA1002968	F-HEMBA1002968	0.12
25	HEMBA1003034	F-HEMBA1003034	0.06
	HEMBA1003037	F-HEMBA1003037	0.11
	HEMBA1003064	F-HEMBA1003064	0.09
	HEMBA1003071	F-HEMBA1003071	0.27
30	HEMBA1003083	F-HEMBA1003083	0.18
	HEMBA1003086	F-HEMBA1003086	0.06
	HEMBA1003098	F-HEMBA1003098	0.09
	HEMBA1003133	F-HEMBA1003133	0.12
	HEMBA1003142	F-HEMBA1003142	0.29
35	HEMBA1003166	F-HEMBA1003166	0.1
	HEMBA1003197	F-HEMBA1003197	0.1
	HEMBA1003202	F-HEMBA1003202	0.17
	HEMBA1003204	F-HEMBA1003204	0.13
40	HEMBA1003212	F-HEMBA1003212	0.13
	HEMBA1003220	F-HEMBA1003220	0.14
	HEMBA1003229	F-HEMBA1003229	0.19
	HEMBA1003273	F-HEMBA1003273	0.1
45	HEMBA1003276	F-HEMBA1003276	0.12
	HEMBA1003278	F-HEMBA1003278	0.09
	HEMBA1003296	F-HEMBA1003296	0.07
	HEMBA1003304	F-HEMBA1003304	0.09
50	HEMBA1003309	F-HEMBA1003309	0.07
	HEMBA1003314	F-HEMBA1003314	0.21
	HEMBA1003328	F-HEMBA1003328	0.13
	HEMBA1003330	F-HEMBA1003330	0.08
	HEMBA1003348	F-HEMBA1003348	0.17
55	HEMBA1003373	F-HEMBA1003373	0.21

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	HEMBA1003376	F-HEMBA1003376	0.14
	HEMBA1003384	F-HEMBA1003384	0.07
5	HEMBA1003531	F-HEMBA1003531	0.2
	HEMBA1003548	F-HEMBA1003548	0.08
	HEMBA1003571	F-HEMBA1003571	0.13
	HEMBA1003579	F-HEMBA1003579	0.13
	HEMBA1003595	F-HEMBA1003595	0.08
10	HEMBA1003597	F-HEMBA1003597	0.1
	HEMBA1003598	F-HEMBA1003598	0.12
	HEMBA1003622	F-HEMBA1003622	0.08
	HEMBA1003630	F-HEMBA1003630	0.08
15	HEMBA1003637	F-HEMBA1003637	0.07
	HEMBA1003640	F-HEMBA1003640	0.16
	HEMBA1003656	F-HEMBA1003656	0.13
	HEMBA1003714	F-HEMBA1003714	0.12
20	HEMBA1003715	F-HEMBA1003715	0.1
	HEMBA1003725	F-HEMBA1003725	0.08
	HEMBA1003733	F-HEMBA1003733	0.2
	HEMBA1003758	F-HEMBA1003758	0.06
25	HEMBA1003773	F-HEMBA1003773	0.11
	HEMBA1003784	F-HEMBA1003784	0.09
	HEMBA1003856	F-HEMBA1003856	0.25
	HEMBA1003885	F-HEMBA1003885	0.09
	HEMBA1003902	F-HEMBA1003902	0.08
30	HEMBA1003908	F-HEMBA1003908	0.08
	HEMBA1003926	F-HEMBA1003926	0.09
	HEMBA1003937	F-HEMBA1003937	0.2
	HEMBA1003939	F-HEMBA1003939	0.12
35	HEMBA1003942	F-HEMBA1003942	0.1
	HEMBA1003950	F-HEMBA1003950	0.09
	HEMBA1003958	F-HEMBA1003958	0.07
	HEMBA1003976	F-HEMBA1003976	0.28
40	HEMBA1003987	F-HEMBA1003987	0.24
	HEMBA1004000	F-HEMBA1004000	0.16
	HEMBA1004012	F-HEMBA1004012	0.12
	HEMBA1004015	F-HEMBA1004015	0.23
45	HEMBA1004024	F-HEMBA1004024	0.13
	HEMBA1004038	F-HEMBA1004038	0.09
	HEMBA1004042	F-HEMBA1004042	0.09
	HEMBA1004045	F-HEMBA1004045	0.09
50	HEMBA1004049	F-HEMBA1004049	0.09
	HEMBA1004132	F-HEMBA1004132	0.08
	HEMBA1004138	F-HEMBA1004138	0.07
	HEMBA1004164	F-HEMBA1004164	0.08
55	HEMBA1004225	F-HEMBA1004225	0.1
	HEMBA1004241	F-HEMBA1004241	0.08

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	HEMBA1004267	F-HEMBA1004267	0.09
	HEMBA1004272	F-HEMBA1004272	0.09
	HEMBA1004295	F-HEMBA1004295	0.19
5	HEMBA1004306	F-HEMBA1004306	0.07
	HEMBA1004312	F-HEMBA1004312	0.26
	HEMBA1004323	F-HEMBA1004323	0.13
	HEMBA1004334	F-HEMBA1004334	0.06
10	HEMBA1004354	F-HEMBA1004354	0.1
	HEMBA1004356	F-HEMBA1004356	0.07
	HEMBA1004366	F-HEMBA1004366	0.14
	HEMBA1004394	F-HEMBA1004394	0.08
15	HEMBA1004396	F-HEMBA1004396	0.05
	HEMBA1004405	F-HEMBA1004405	0.17
	HEMBA1004429	F-HEMBA1004429	0.22
	HEMBA1004433	F-HEMBA1004433	0.29
20	HEMBA1004460	F-HEMBA1004460	0.11
	HEMBA1004461	F-HEMBA1004461	0.11
	HEMBA1004482	F-HEMBA1004482	0.15
	HEMBA1004506	F-HEMBA1004506	0.05
	HEMBA1004538	F-HEMBA1004538	0.15
25	HEMBA1004577	F-HEMBA1004577	0.17
	HEMBA1004586	F-HEMBA1004586	0.06
	HEMBA1004617	F-HEMBA1004617	0.11
	HEMBA1004629	F-HEMBA1004629	0.11
30	HEMBA1004631	F-HEMBA1004631	0.1
	HEMBA1004666	F-HEMBA1004666	0.08
	HEMBA1004670	F-HEMBA1004670	0.15
	HEMBA1004672	F-HEMBA1004672	0.14
35	HEMBA1004730	F-HEMBA1004730	0.15
	HEMBA1004733	F-HEMBA1004733	0.12
	HEMBA1004748	F-HEMBA1004748	0.1
	HEMBA1004770	F-HEMBA1004770	0.15
40	HEMBA1004778	F-HEMBA1004778	0.14
	HEMBA1004803	F-HEMBA1004803	0.13
	HEMBA1004807	F-HEMBA1004807	0.18
	HEMBA1004816	F-HEMBA1004816	0.06
45	HEMBA1004820	F-HEMBA1004820	0.11
	HEMBA1004865	F-HEMBA1004865	0.17
	HEMBA1004880	F-HEMBA1004880	0.28
	HEMBA1004900	F-HEMBA1004900	0.11
	HEMBA1004909	F-HEMBA1004909	0.11
50	HEMBA1004918	F-HEMBA1004918	0.09
	HEMBA1004956	F-HEMBA1004956	0.05
	HEMBA1004960	F-HEMBA1004960	0.21
	HEMBA1004978	F-HEMBA1004978	0.1
55	HEMBA1004983	F-HEMBA1004983	0.28

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	HEMBA1004995	F-HEMBA1004995	0.24
	HEMBA1005008	F-HEMBA1005008	0.07
5	HEMBA1005039	F-HEMBA1005039	0.08
	HEMBA1005062	F-HEMBA1005062	0.11
	HEMBA1005123	F-HEMBA1005123	0.07
	HEMBA1005152	F-HEMBA1005152	0.11
	HEMBA1005159	F-HEMBA1005159	0.1
10	HEMBA1005232	F-HEMBA1005232	0.1
	HEMBA1005241	F-HEMBA1005241	0.14
	HEMBA1005251	F-HEMBA1005251	0.29
	HEMBA1005274	F-HEMBA1005274	0.06
15	HEMBA1005275	F-HEMBA1005275	0.12
	HEMBA1005293	F-HEMBA1005293	0.06
	HEMBA1005304	F-HEMBA1005304	0.09
	HEMBA1005311	F-HEMBA1005311	0.2
20	HEMBA1005315	F-HEMBA1005315	0.07
	HEMBA1005318	F-HEMBA1005318	0.08
	HEMBA1005353	F-HEMBA1005353	0.12
	HEMBA1005359	F-HEMBA1005359	0.15
25	HEMBA1005372	F-HEMBA1005372	0.07
	HEMBA1005374	F-HEMBA1005374	0.09
	HEMBA1005389	F-HEMBA1005389	0.1
	HEMBA1005408	F-HEMBA1005408	0.09
30	HEMBA1005410	F-HEMBA1005410	0.07
	HEMBA1005426	F-HEMBA1005426	0.16
	HEMBA1005443	F-HEMBA1005443	0.17
	HEMBA1005447	F-HEMBA1005447	0.25
	HEMBA1005497	F-HEMBA1005497	0.09
35	HEMBA1005500	F-HEMBA1005500	0.08
	HEMBA1005506	F-HEMBA1005506	0.17
	HEMBA1005508	F-HEMBA1005508	0.12
	HEMBA1005511	F-HEMBA1005511	0.1
40	HEMBA1005520	F-HEMBA1005520	0.07
	HEMBA1005552	F-HEMBA1005552	0.05
	HEMBA1005568	F-HEMBA1005568	0.06
	HEMBA1005570	F-HEMBA1005570	0.1
45	HEMBA1005577	F-HEMBA1005577	0.13
	HEMBA1005588	F-HEMBA1005588	0.25
	HEMBA1005593	F-HEMBA1005593	0.13
	HEMBA1005606	F-HEMBA1005606	0.16
50	HEMBA1005616	F-HEMBA1005616	0.15
	HEMBA1005627	F-HEMBA1005627	0.11
	HEMBA1005631	F-HEMBA1005631	0.07
	HEMBA1005632	F-HEMBA1005632	0.07
	HEMBA1005634	F-HEMBA1005634	0.07
55	HEMBA1005670	F-HEMBA1005670	0.11

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	HEMBA1005679	F-HEMBA1005679	0.22
	HEMBA1005699	F-HEMBA1005699	0.08
5	HEMBA1005705	F-HEMBA1005705	0.08
	HEMBA1005717	F-HEMBA1005717	0.17
	HEMBA1005765	F-HEMBA1005765	0.08
	HEMBA1005780	F-HEMBA1005780	0.16
10	HEMBA1005829	F-HEMBA1005829	0.09
	HEMBA1005853	F-HEMBA1005853	0.06
	HEMBA1005894	F-HEMBA1005894	0.16
	HEMBA1005909	F-HEMBA1005909	0.13
	HEMBA1005911	F-HEMBA1005911	0.22
15	HEMBA1005921	F-HEMBA1005921	0.1
	HEMBA1005931	F-HEMBA1005931	0.16
	HEMBA1005934	F-HEMBA1005934	0.1
	HEMBA1005962	F-HEMBA1005962	0.07
20	HEMBA1005999	F-HEMBA1005999	0.14
	HEMBA1006002	F-HEMBA1006002	0.09
	HEMBA1006005	F-HEMBA1006005	0.2
	HEMBA1006036	F-HEMBA1006036	0.24
25	HEMBA1006042	F-HEMBA1006042	0.11
	HEMBA1006067	F-HEMBA1006067	0.09
	HEMBA1006090	F-HEMBA1006090	0.09
	HEMBA1006124	F-HEMBA1006124	0.05
30	HEMBA1006142	F-HEMBA1006142	0.13
	HEMBA1006158	F-HEMBA1006158	0.27
	HEMBA1006253	F-HEMBA1006253	0.29
	HEMBA1006259	F-HEMBA1006259	0.11
	HEMBA1006268	F-HEMBA1006268	0.11
35	HEMBA1006328	F-HEMBA1006328	0.06
	HEMBA1006334	F-HEMBA1006334	0.08
	HEMBA1006359	F-HEMBA1006359	0.22
	HEMBA1006364	F-HEMBA1006364	0.23
40	HEMBA1006380	F-HEMBA1006380	0.09
	HEMBA1006416	F-HEMBA1006416	0.25
	HEMBA1006419	F-HEMBA1006419	0.08
	HEMBA1006421	F-HEMBA1006421	0.26
45	HEMBA1006426	F-HEMBA1006426	0.17
	HEMBA1006438	F-HEMBA1006438	0.08
	HEMBA1006446	F-HEMBA1006446	0.11
	HEMBA1006461	F-HEMBA1006461	0.15
50	HEMBA1006471	F-HEMBA1006471	0.06
	HEMBA1006486	F-HEMBA1006486	0.11
	HEMBA1006489	F-HEMBA1006489	0.09
	HEMBA1006540	F-HEMBA1006540	0.23
	HEMBA1006546	F-HEMBA1006546	0.07
55	HEMBA1006562	F-HEMBA1006562	0.12

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5	HEMBA1006597	F-HEMBA1006597	0.17
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	HEMBA1006635	F-HEMBA1006635	0.07
	HEMBA1006639	F-HEMBA1006639	0.25
10	HEMBA1006648	F-HEMBA1006648	0.24
	HEMBA1006653	F-HEMBA1006653	0.09
	HEMBA1006665	F-HEMBA1006665	0.17
	HEMBA1006676	F-HEMBA1006676	0.17
	HEMBA1006695	F-HEMBA1006695	0.1
15	HEMBA1006696	F-HEMBA1006696	0.05
	HEMBA1006744	F-HEMBA1006744	0.12
	HEMBA1006779	F-HEMBA1006779	0.07
	HEMBA1006780	F-HEMBA1006780	0.23
20	HEMBA1006821	F-HEMBA1006821	0.08
	HEMBA1006824	F-HEMBA1006824	0.09
	HEMBA1006849	F-HEMBA1006849	0.05
	HEMBA1006865	F-HEMBA1006865	0.1
25	HEMBA1006921	F-HEMBA1006921	0.22
	HEMBA1006929	F-HEMBA1006929	0.15
	HEMBA1006938	F-HEMBA1006938	0.07
	HEMBA1006949	F-HEMBA1006949	0.27
30	HEMBA1007017	F-HEMBA1007017	0.07
	HEMBA1007045	F-HEMBA1007045	0.14
	HEMBA1007051	F-HEMBA1007051	0.19
	HEMBA1007073	F-HEMBA1007073	0.22
	HEMBA1007078	F-HEMBA1007078	0.12
35	HEMBA1007113	F-HEMBA1007113	0.12
	HEMBA1007129	F-HEMBA1007129	0.18
	HEMBA1007147	F-HEMBA1007147	0.08
	HEMBA1007206	F-HEMBA1007206	0.11
40	HEMBA1007256	F-HEMBA1007256	0.13
	HEMBA1007273	F-HEMBA1007273	0.05
	HEMBA1007279	F-HEMBA1007279	0.09
	HEMBA1007288	F-HEMBA1007288	0.06
45	HEMBA1007322	F-HEMBA1007322	0.12
	HEMBA1007327	F-HEMBA1007327	0.12
	HEMBA1007341	F-HEMBA1007341	0.1
	HEMBA1007347	F-HEMBA1007347	0.14
50	HEMBA1000005	F-HEMBA1000005	0.13
	HEMBA1000039	F-HEMBA1000039	0.07
	HEMBA1000044	F-HEMBA1000044	0.08
	HEMBA1000050	F-HEMBA1000050	0.07
	HEMBA1000054	F-HEMBA1000054	0.12
55	HEMBA1000055	F-HEMBA1000055	0.2

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	HEMBB1000059	F-HEMBB1000059	0.08
	HEMBB1000089	F-HEMBB1000089	0.09
5	HEMBB1000099	F-HEMBB1000099	0.17
	HEMBB1000113	F-HEMBB1000113	0.12
	HEMBB1000141	F-HEMBB1000141	0.13
	HEMBB1000144	F-HEMBB1000144	0.2
10	HEMBB1000218	F-HEMBB1000218	0.07
	HEMBB1000250	F-HEMBB1000250	0.26
	HEMBB1000258	F-HEMBB1000258	0.15
	HEMBB1000264	F-HEMBB1000264	0.08
	HEMBB1000272	F-HEMBB1000272	0.11
15	HEMBB1000274	F-HEMBB1000274	0.12
	HEMBB1000284	F-HEMBB1000284	0.1
	HEMBB1000307	F-HEMBB1000307	0.11
	HEMBB1000312	F-HEMBB1000312	0.07
20	HEMBB1000317	F-HEMBB1000317	0.27
	HEMBB1000318	F-HEMBB1000318	0.11
	HEMBB1000335	F-HEMBB1000335	0.15
	HEMBB1000336	F-HEMBB1000336	0.28
25	HEMBB1000337	F-HEMBB1000337	0.25
	HEMBB1000341	F-HEMBB1000341	0.24
	HEMBB1000343	F-HEMBB1000343	0.07
	HEMBB1000354	F-HEMBB1000354	0.15
30	HEMBB1000369	F-HEMBB1000369	0.08
	HEMBB1000374	F-HEMBB1000374	0.3
	HEMBB1000376	F-HEMBB1000376	0.12
	HEMBB1000399	F-HEMBB1000399	0.08
35	HEMBB1000402	F-HEMBB1000402	0.29
	HEMBB1000404	F-HEMBB1000404	0.29
	HEMBB1000420	F-HEMBB1000420	0.11
	HEMBB1000434	F-HEMBB1000434	0.05
	HEMBB1000441	F-HEMBB1000441	0.12
40	HEMBB1000455	F-HEMBB1000455	0.05
	HEMBB1000472	F-HEMBB1000472	0.05
	HEMBB1000480	F-HEMBB1000480	0.13
	HEMBB1000487	F-HEMBB1000487	0.09
45	HEMBB1000490	F-HEMBB1000490	0.06
	HEMBB1000491	F-HEMBB1000491	0.16
	HEMBB1000493	F-HEMBB1000493	0.15
	HEMBB1000518	F-HEMBB1000518	0.05
50	HEMBB1000523	F-HEMBB1000523	0.07
	HEMBB1000530	F-HEMBB1000530	0.14
	HEMBB1000554	F-HEMBB1000554	0.23
	HEMBB1000564	F-HEMBB1000564	0.09
55	HEMBB1000573	F-HEMBB1000573	0.1
	HEMBB1000575	F-HEMBB1000575	0.08

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5	HEM881000638	F-HEM881000638	0.07
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	HEM881000649	F-HEM881000649	0.13
	HEM881000652	F-HEM881000652	0.2
10	HEM881000665	F-HEM881000665	0.07
	HEM881000684	F-HEM881000684	0.06
	HEM881000709	F-HEM881000709	0.09
	HEM881000726	F-HEM881000726	0.07
15	HEM881000738	F-HEM881000738	0.19
	HEM881000749	F-HEM881000749	0.14
	HEM881000770	F-HEM881000770	0.09
	HEM881000790	F-HEM881000790	0.23
20	HEM881000794	F-HEM881000794	0.09
	HEM881000821	F-HEM881000821	0.1
	HEM881000822	F-HEM881000822	0.18
	HEM881000827	F-HEM881000827	0.1
	HEM881000831	F-HEM881000831	0.2
25	HEM881000840	F-HEM881000840	0.09
	HEM881000876	F-HEM881000876	0.12
	HEM881000883	F-HEM881000883	0.13
	HEM881000888	F-HEM881000888	0.1
30	HEM881000890	F-HEM881000890	0.09
	HEM881000893	F-HEM881000893	0.1
	HEM881000910	F-HEM881000910	0.06
	HEM881000913	F-HEM881000913	0.09
35	HEM881000915	F-HEM881000915	0.12
	HEM881000917	F-HEM881000917	0.15
	HEM881000959	F-HEM881000959	0.08
	HEM881000981	F-HEM881000981	0.09
40	HEM881000996	F-HEM881000996	0.1
	HEM881001004	F-HEM881001004	0.08
	HEM881001008	F-HEM881001008	0.25
	HEM881001037	F-HEM881001037	0.14
45	HEM881001047	F-HEM881001047	0.14
	HEM881001051	F-HEM881001051	0.13
	HEM881001060	F-HEM881001060	0.16
	HEM881001063	F-HEM881001063	0.1
50	HEM881001102	F-HEM881001102	0.19
	HEM881001114	F-HEM881001114	0.08
	HEM881001119	F-HEM881001119	0.13
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	HEM881001142	F-HEM881001142	0.17
55	HEM881001177	F-HEM881001177	0.2

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	HEM881001209	F-HEM881001209	0.11
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5	HEM881001221	F-HEM881001221	0.1
	HEM881001249	F-HEM881001249	0.12
	HEM881001253	F-HEM881001253	0.13
	HEM881001254	F-HEM881001254	0.13
10	HEM881001267	F-HEM881001267	0.09
	HEM881001271	F-HEM881001271	0.16
	HEM881001282	F-HEM881001282	0.14
	HEM881001302	F-HEM881001302	0.18
15	HEM881001304	F-HEM881001304	0.17
	HEM881001315	F-HEM881001315	0.18
	HEM881001317	F-HEM881001317	0.12
	HEM881001326	F-HEM881001326	0.09
20	HEM881001335	F-HEM881001335	0.08
	HEM881001337	F-HEM881001337	0.12
	HEM881001348	F-HEM881001348	0.11
	HEM881001356	F-HEM881001356	0.1
25	HEM881001366	F-HEM881001366	0.16
	HEM881001367	F-HEM881001367	0.11
	HEM881001380	F-HEM881001380	0.07
	HEM881001424	F-HEM881001424	0.05
	HEM881001436	F-HEM881001436	0.14
30	HEM881001443	F-HEM881001443	0.28
	HEM881001454	F-HEM881001454	
	HEM881001458	F-HEM881001458	0.11
	HEM881001463	F-HEM881001463	0.1
35	HEM881001464	F-HEM881001464	0.06
	HEM881001500	F-HEM881001500	0.11
	HEM881001521	F-HEM881001521	0.13
	HEM881001527	F-HEM881001527	0.13
40	HEM881001535	F-HEM881001535	0.11
	HEM881001536	F-HEM881001536	0.08
	HEM881001537	F-HEM881001537	0.11
	HEM881001555	F-HEM881001555	0.08
45	HEM881001565	F-HEM881001565	0.1
	HEM881001586	F-HEM881001586	0.06
	HEM881001588	F-HEM881001588	0.06
	HEM881001618	F-HEM881001618	0.09
	HEM881001619	F-HEM881001619	0.12
50	HEM881001630	F-HEM881001630	0.12
	HEM881001637	F-HEM881001637	0.08
	HEM881001641	F-HEM881001641	0.09
	HEM881001704	F-HEM881001704	0.09
55	HEM881001706	F-HEM881001706	0.11

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	HEM881001735	F-HEM881001735	0.21
5	HEM881001747	F-HEM881001747	0.07
	HEM881001749	F-HEM881001749	0.13
	HEM881001753	F-HEM881001753	0.08
	HEM881001756	F-HEM881001756	0.11
10	HEM881001762	F-HEM881001762	0.11
	HEM881001797	F-HEM881001797	0.13
	HEM881001802	F-HEM881001802	0.06
	HEM881001836	F-HEM881001836	0.15
	HEM881001850	F-HEM881001850	0.06
15	HEM881001863	F-HEM881001863	0.09
	HEM881001867	F-HEM881001867	0.11
	HEM881001868	F-HEM881001868	0.24
	HEM881001875	F-HEM881001875	0.05
20	HEM881001880	F-HEM881001880	0.08
	HEM881001899	F-HEM881001899	0.16
	HEM881001911	F-HEM881001911	0.22
	HEM881001921	F-HEM881001921	0.07
25	HEM881001922	F-HEM881001922	0.11
	HEM881001925	F-HEM881001925	0.19
	HEM881001930	F-HEM881001930	0.1
	HEM881001944	F-HEM881001944	0.14
30	HEM881001952	F-HEM881001952	0.08
	HEM881001953	F-HEM881001953	0.15
	HEM881001967	F-HEM881001967	0.08
	HEM881001973	F-HEM881001973	0.09
	HEM881001983	F-HEM881001983	0.1
35	HEM881001988	F-HEM881001988	0.15
	HEM881001996	F-HEM881001996	0.19
	HEM881001997	F-HEM881001997	0.08
	HEM881002002	F-HEM881002002	0.21
40	HEM881002005	F-HEM881002005	0.18
	HEM881002009	F-HEM881002009	0.09
	HEM881002015	F-HEM881002015	0.26
	HEM881002042	F-HEM881002042	0.11
45	HEM881002043	F-HEM881002043	0.09
	HEM881002045	F-HEM881002045	0.26
	HEM881002049	F-HEM881002049	0.12
	HEM881002069	F-HEM881002069	0.12
50	HEM881002092	F-HEM881002092	0.16
	HEM881002094	F-HEM881002094	0.11
	HEM881002115	F-HEM881002115	0.09
	HEM881002139	F-HEM881002139	0.13
	HEM881002189	F-HEM881002189	0.06
55	HEM881002190	F-HEM881002190	0.18

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5	HEMBB1002254	F-HEMBB1002254	0.05
	HEMBB1002255	F-HEMBB1002255	0.11
	HEMBB1002266	F-HEMBB1002266	0.28
	HEMBB1002280	F-HEMBB1002280	0.07
10	HEMBB1002306	F-HEMBB1002306	0.06
	HEMBB1002364	F-HEMBB1002364	0.05
	HEMBB1002371	F-HEMBB1002371	0.12
	HEMBB1002381	F-HEMBB1002381	0.09
15	HEMBB1002387	F-HEMBB1002387	0.17
	HEMBB1002425	F-HEMBB1002425	0.08
	HEMBB1002453	F-HEMBB1002453	0.12
	HEMBB1002458	F-HEMBB1002458	0.09
20	HEMBB1002477	F-HEMBB1002477	0.17
	HEMBB1002509	F-HEMBB1002509	0.06
	HEMBB1002520	F-HEMBB1002520	0.08
	HEMBB1002522	F-HEMBB1002522	0.21
	HEMBB1002531	F-HEMBB1002531	0.1
25	HEMBB1002534	F-HEMBB1002534	0.09
	HEMBB1002556	F-HEMBB1002556	0.1
	HEMBB1002579	F-HEMBB1002579	0.13
	HEMBB1002582	F-HEMBB1002582	0.17
30	HEMBB1002590	F-HEMBB1002590	0.08
	HEMBB1002596	F-HEMBB1002596	0.15
	HEMBB1002601	F-HEMBB1002601	0.1
	HEMBB1002603	F-HEMBB1002603	0.12
35	HEMBB1002610	F-HEMBB1002610	0.1
	HEMBB1002613	F-HEMBB1002613	0.09
	HEMBB1002617	F-HEMBB1002617	0.12
	HEMBB1002623	F-HEMBB1002623	0.14
	HEMBB1002635	F-HEMBB1002635	0.08
40	HEMBB1002664	F-HEMBB1002664	0.06
	HEMBB1002677	F-HEMBB1002677	0.07
	HEMBB1002683	F-HEMBB1002683	0.06
	HEMBB1002686	F-HEMBB1002686	0.12
45	HEMBB1002699	F-HEMBB1002699	0.15
	HEMBB1002702	F-HEMBB1002702	0.16
	HEMBB1002712	F-HEMBB1002712	0.07
	MAMMA1000009	F-MAMMA1000009	0.11
50	MAMMA1000043	F-MAMMA1000043	0.19
	MAMMA1000045	F-MAMMA1000045	0.08
	MAMMA1000092	F-MAMMA1000092	0.11
	MAMMA1000103	F-MAMMA1000103	0.09
	MAMMA1000117	F-MAMMA1000117	0.2
55	MAMMA1000129	F-MAMMA1000129	0.17

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	MAMMA1000134	F-MAMMA1000134	0.05
	MAMMA1000155	F-MAMMA1000155	0.12
5	MAMMA1000175	F-MAMMA1000175	0.07
	MAMMA1000198	F-MAMMA1000198	0.2
	MAMMA1000221	F-MAMMA1000221	0.1
	MAMMA1000227	F-MAMMA1000227	0.08
10	MAMMA1000241	F-MAMMA1000241	0.16
	MAMMA1000254	F-MAMMA1000254	0.08
	MAMMA1000264	F-MAMMA1000264	0.1
	MAMMA1000266	F-MAMMA1000266	0.18
15	MAMMA1000270	F-MAMMA1000270	0.1
	MAMMA1000287	F-MAMMA1000287	0.1
	MAMMA1000302	F-MAMMA1000302	0.07
	MAMMA1000307	F-MAMMA1000307	0.26
20	MAMMA1000331	F-MAMMA1000331	0.18
	MAMMA1000340	F-MAMMA1000340	0.2
	MAMMA1000348	F-MAMMA1000348	0.09
	MAMMA1000356	F-MAMMA1000356	0.15
25	MAMMA1000360	F-MAMMA1000360	0.09
	MAMMA1000385	F-MAMMA1000385	0.08
	MAMMA1000402	F-MAMMA1000402	0.11
	MAMMA1000413	F-MAMMA1000413	0.1
	MAMMA1000414	F-MAMMA1000414	0.1
30	MAMMA1000423	F-MAMMA1000423	0.06
	MAMMA1000424	F-MAMMA1000424	0.1
	MAMMA1000431	F-MAMMA1000431	0.28
	MAMMA1000444	F-MAMMA1000444	0.07
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	MAMMA1000478	F-MAMMA1000478	0.1
	MAMMA1000483	F-MAMMA1000483	0.07
	MAMMA1000500	F-MAMMA1000500	0.16
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	MAMMA1000516	F-MAMMA1000516	0.06
	MAMMA1000522	F-MAMMA1000522	0.21
	MAMMA1000559	F-MAMMA1000559	0.12
45	MAMMA1000565	F-MAMMA1000565	0.09
	MAMMA1000576	F-MAMMA1000576	0.14
	MAMMA1000585	F-MAMMA1000585	0.07
	MAMMA1000594	F-MAMMA1000594	0.17
50	MAMMA1000597	F-MAMMA1000597	0.1
	MAMMA1000605	F-MAMMA1000605	0.09
	MAMMA1000616	F-MAMMA1000616	0.08
	MAMMA1000621	F-MAMMA1000621	0.07
	MAMMA1000643	F-MAMMA1000643	0.1
55	MAMMA1000669	F-MAMMA1000669	0.11

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	MAMMA1000707	F-MAMMA1000707	0.07
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5	MAMMA1000718	F-MAMMA1000718	0.06
	MAMMA1000720	F-MAMMA1000720	0.15
	MAMMA1000723	F-MAMMA1000723	0.14
	MAMMA1000732	F-MAMMA1000732	0.06
10	MAMMA1000733	F-MAMMA1000733	0.1
	MAMMA1000744	F-MAMMA1000744	0.15
	MAMMA1000752	F-MAMMA1000752	0.12
	MAMMA1000761	F-MAMMA1000761	0.24
15	MAMMA1000775	F-MAMMA1000775	0.24
	MAMMA1000778	F-MAMMA1000778	0.09
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20	MAMMA1000802	F-MAMMA1000802	0.11
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25	MAMMA1000855	F-MAMMA1000855	0.23
	MAMMA1000862	F-MAMMA1000862	0.12
	MAMMA1000863	F-MAMMA1000863	0.16
	MAMMA1000867	F-MAMMA1000867	0.25
	MAMMA1000876	F-MAMMA1000876	0.14
30	MAMMA1000877	F-MAMMA1000877	0.07
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	MAMMA1000883	F-MAMMA1000883	0.3
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35	MAMMA1000931	F-MAMMA1000931	0.18
	MAMMA1000940	F-MAMMA1000940	0.21
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45	MAMMA1000987	F-MAMMA1000987	0.08
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	MAMMA1001003	F-MAMMA1001003	0.15
	MAMMA1001024	F-MAMMA1001024	0.08
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	MAMMA1001035	F-MAMMA1001035	0.08
	MAMMA1001038	F-MAMMA1001038	0.15
	MAMMA1001050	F-MAMMA1001050	0.06
	MAMMA1001067	F-MAMMA1001067	0.08
55	MAMMA1001074	F-MAMMA1001074	0.09

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5	MAMMA1001145	F-MAMMA1001145	0.05
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	MAMMA1001162	F-MAMMA1001162	0.11
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	MAMMA1001206	F-MAMMA1001206	0.09
	MAMMA1001220	F-MAMMA1001220	0.1
15	MAMMA1001243	F-MAMMA1001243	0.14
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20	MAMMA1001274	F-MAMMA1001274	0.13
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	MAMMA1001298	F-MAMMA1001298	0.07
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25	MAMMA1001324	F-MAMMA1001324	0.25
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	MAMMA1001341	F-MAMMA1001341	0.16
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	MAMMA1001679	F-MAMMA1001679	0.13
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55	MAMMA1001745	F-MAMMA1001745	0.09

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5	MAMMA1001806	F-MAMMA1001806	0.06
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	MAMMA1001878	F-MAMMA1001878	0.13
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15	MAMMA1001890	F-MAMMA1001890	0.05
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25	MAMMA1002058	F-MAMMA1002058	0.16
	MAMMA1002078	F-MAMMA1002078	0.28
	MAMMA1002082	F-MAMMA1002082	0.08
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	MAMMA1002299	F-MAMMA1002299	0.16
50	MAMMA1002310	F-MAMMA1002310	0.16
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	MAMMA1002332	F-MAMMA1002332	0.08
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55	MAMMA1002347	F-MAMMA1002347	0.06

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5	MAMMA1002360	F-MAMMA1002360	0.17
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10	MAMMA1002417	F-MAMMA1002417	0.19
	MAMMA1002428	F-MAMMA1002428	0.07
	MAMMA1002446	F-MAMMA1002446	0.17
	MAMMA1002475	F-MAMMA1002475	0.17
	MAMMA1002480	F-MAMMA1002480	0.07
15	MAMMA1002494	F-MAMMA1002494	0.17
	MAMMA1002498	F-MAMMA1002498	0.28
	MAMMA1002545	F-MAMMA1002545	0.12
	MAMMA1002556	F-MAMMA1002556	0.06
20	MAMMA1002566	F-MAMMA1002566	0.13
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	MAMMA1002573	F-MAMMA1002573	0.29
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25	MAMMA1002603	F-MAMMA1002603	0.1
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	MAMMA1002636	F-MAMMA1002636	0.12
	MAMMA1002646	F-MAMMA1002646	0.05
35	MAMMA1002662	F-MAMMA1002662	0.09
	MAMMA1002698	F-MAMMA1002698	0.08
	MAMMA1002701	F-MAMMA1002701	0.11
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	MAMMA1002758	F-MAMMA1002758	0.29
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	MAMMA1002765	F-MAMMA1002765	0.29
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55	MAMMA1002833	F-MAMMA1002833	0.14

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	MAMMA1002838	F-MAMMA1002838	0.09
5	MAMMA1002844	F-MAMMA1002844	0.27
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	MAMMA1002880	F-MAMMA1002880	0.11
10	MAMMA1002887	F-MAMMA1002887	0.09
	MAMMA1002892	F-MAMMA1002892	0.17
	MAMMA1002908	F-MAMMA1002908	0.11
	MAMMA1002909	F-MAMMA1002909	0.22
	MAMMA1002930	F-MAMMA1002930	0.2
15	MAMMA1002941	F-MAMMA1002941	0.23
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	MAMMA1002972	F-MAMMA1002972	0.08
	MAMMA1002973	F-MAMMA1002973	0.1
20	MAMMA1002982	F-MAMMA1002982	0.1
	MAMMA1003003	F-MAMMA1003003	0.2
	MAMMA1003004	F-MAMMA1003004	0.14
	MAMMA1003007	F-MAMMA1003007	0.09
25	MAMMA1003019	F-MAMMA1003019	0.12
	MAMMA1003026	F-MAMMA1003026	0.26
	MAMMA1003031	F-MAMMA1003031	0.18
	MAMMA1003039	F-MAMMA1003039	0.09
30	MAMMA1003040	F-MAMMA1003040	0.07
	MAMMA1003055	F-MAMMA1003055	0.08
	MAMMA1003089	F-MAMMA1003089	0.14
	MAMMA1003140	F-MAMMA1003140	0.19
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35	NT2RM4000046	F-NT2RM4000046	0.1
	NT2RM4000085	F-NT2RM4000085	0.23
	NT2RM4000086	F-NT2RM4000086	0.28
	NT2RM4000200	F-NT2RM4000200	0.16
40	NT2RM4000244	F-NT2RM4000244	0.07
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	NT2RM4000327	F-NT2RM4000327	0.06
	NT2RM4000366	F-NT2RM4000366	0.28
45	NT2RM4000368	F-NT2RM4000368	0.11
	NT2RM4000414	F-NT2RM4000414	0.19
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	NT2RM4000532	F-NT2RM4000532	0.14
50	NT2RM4000779	F-NT2RM4000779	0.13
	NT2RM4000855	F-NT2RM4000855	0.13
	NT2RM4000979	F-NT2RM4000979	0.22
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55	NT2RM4001313	F-NT2RM4001313	0.26

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	NT2RM4001437	F-NT2RM4001437	0.12
5	NT2RM4001519	F-NT2RM4001519	0.07
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	NT2RM4001754	F-NT2RM4001754	0.26
10	NT2RM4001776	F-NT2RM4001776	0.18
	NT2RM4001810	F-NT2RM4001810	0.22
	NT2RM4001856	F-NT2RM4001856	0.11
	NT2RM4001858	F-NT2RM4001858	0.14
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15	NT2RM4001953	F-NT2RM4001953	0.09
	NT2RM4001984	F-NT2RM4001984	0.09
	NT2RM4002067	F-NT2RM4002067	0.08
	NT2RM4002278	F-NT2RM4002278	0.07
20	NT2RM4002281	F-NT2RM4002281	0.07
	NT2RM4002287	F-NT2RM4002287	0.27
	NT2RM4002383	F-NT2RM4002383	0.08
	NT2RM4002390	F-NT2RM4002390	0.18
25	NT2RM4002438	F-NT2RM4002438	0.23
	NT2RM4002479	F-NT2RM4002479	0.27
	NT2RM4002499	F-NT2RM4002499	0.08
	NT2RM4002504	F-NT2RM4002504	0.08
30	NT2RM4002532	F-NT2RM4002532	0.15
	NT2RM4002567	F-NT2RM4002567	0.28
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	NT2RP2000076	F-NT2RP2000076	0.16
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35	NT2RP2000098	F-NT2RP2000098	0.23
	NT2RP2000108	F-NT2RP2000108	0.07
	NT2RP2000183	F-NT2RP2000183	0.12
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	NT2RP2000498	F-NT2RP2000498	0.05
50	NT2RP2000523	F-NT2RP2000523	0.14
	NT2RP2000603	F-NT2RP2000603	0.22
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	NT2RP2000715	F-NT2RP2000715	0.21
55	NT2RP2000731	F-NT2RP2000731	0.09

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10	NT2RP2001226	F-NT2RP2001226	0.18
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	NT2RP2001295	F-NT2RP2001295	0.13
	NT2RP2001312	F-NT2RP2001312	0.15
15	NT2RP2001347	F-NT2RP2001347	0.11
	NT2RP2001423	F-NT2RP2001423	0.06
	NT2RP2001445	F-NT2RP2001445	0.11
	NT2RP2001449	F-NT2RP2001449	0.15
20	NT2RP2001467	F-NT2RP2001467	0.21
	NT2RP2001506	F-NT2RP2001506	0.06
	NT2RP2001526	F-NT2RP2001526	0.1
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	NT2RP2001678	F-NT2RP2001678	0.17
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30	NT2RP2001720	F-NT2RP2001720	0.08
	NT2RP2001740	F-NT2RP2001740	0.23
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	NT2RP2002047	F-NT2RP2002047	0.12
	NT2RP2002066	F-NT2RP2002066	0.25
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45	NT2RP2002105	F-NT2RP2002105	0.13
	NT2RP2002124	F-NT2RP2002124	0.13
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	NT2RP2002172	F-NT2RP2002172	0.21
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50	NT2RP2002219	F-NT2RP2002219	0.13
	NT2RP2002256	F-NT2RP2002256	0.17
	NT2RP2002259	F-NT2RP2002259	0.28
	NT2RP2002316	F-NT2RP2002316	0.15
55	NT2RP2002394	F-NT2RP2002394	0.16

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5	NT2RP2002504	F-NT2RP2002504	0.21
	NT2RP2002546	F-NT2RP2002546	0.17
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10	NT2RP2002643	F-NT2RP2002643	0.26
	NT2RP2002727	F-NT2RP2002727	0.26
	NT2RP2002736	F-NT2RP2002736	0.12
	NT2RP2002740	F-NT2RP2002740	0.16
15	NT2RP2002741	F-NT2RP2002741	0.11
	NT2RP2002750	F-NT2RP2002750	0.14
	NT2RP2002752	F-NT2RP2002752	0.1
	NT2RP2002753	F-NT2RP2002753	0.09
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	NT2RP2002857	F-NT2RP2002857	0.21
	NT2RP2002987	F-NT2RP2002987	0.08
25	NT2RP2003000	F-NT2RP2003000	0.24
	NT2RP2003073	F-NT2RP2003073	0.08
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	NT2RP2003161	F-NT2RP2003161	0.05
	NT2RP2003164	F-NT2RP2003164	0.09
30	NT2RP2003206	F-NT2RP2003206	0.22
	NT2RP2003230	F-NT2RP2003230	0.08
	NT2RP2003237	F-NT2RP2003237	0.24
	NT2RP2003339	F-NT2RP2003339	0.1
35	NT2RP2003394	F-NT2RP2003394	0.07
	NT2RP2003456	F-NT2RP2003456	0.08
	NT2RP2003499	F-NT2RP2003499	0.08
	NT2RP2003517	F-NT2RP2003517	0.29
40	NT2RP2003522	F-NT2RP2003522	0.22
	NT2RP2003559	F-NT2RP2003559	0.12
	NT2RP2003668	F-NT2RP2003668	0.08
	NT2RP2003704	F-NT2RP2003704	0.09
	NT2RP2003706	F-NT2RP2003706	0.28
45	NT2RP2003727	F-NT2RP2003727	0.17
	NT2RP2003770	F-NT2RP2003770	0.09
	NT2RP2003859	F-NT2RP2003859	0.18
	NT2RP2003871	F-NT2RP2003871	0.23
50	NT2RP2003885	F-NT2RP2003885	0.24
	NT2RP2003912	F-NT2RP2003912	0.26
	NT2RP2003968	F-NT2RP2003968	0.2
	NT2RP2003988	F-NT2RP2003988	0.09
55	NT2RP2004014	F-NT2RP2004014	0.07

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	NT2RP2004142	F-NT2RP2004142	0.14
	NT2RP2004170	F-NT2RP2004170	0.09
5	NT2RP2004172	F-NT2RP2004172	0.15
	NT2RP2004207	F-NT2RP2004207	0.11
	NT2RP2004232	F-NT2RP2004232	0.17
	NT2RP2004270	F-NT2RP2004270	0.29
10	NT2RP2004300	F-NT2RP2004300	0.11
	NT2RP2004321	F-NT2RP2004321	0.13
	NT2RP2004339	F-NT2RP2004339	0.14
	NT2RP2004347	F-NT2RP2004347	0.14
	NT2RP2004396	F-NT2RP2004396	0.29
15	NT2RP2004400	F-NT2RP2004400	0.06
	NT2RP2004412	F-NT2RP2004412	0.24
	NT2RP2004425	F-NT2RP2004425	0.13
	NT2RP2004490	F-NT2RP2004490	0.13
20	NT2RP2004512	F-NT2RP2004512	0.1
	NT2RP2004523	F-NT2RP2004523	0.15
	NT2RP2004580	F-NT2RP2004580	0.12
	NT2RP2004587	F-NT2RP2004587	0.08
25	NT2RP2004675	F-NT2RP2004675	0.14
	NT2RP2004681	F-NT2RP2004681	0.17
	NT2RP2004709	F-NT2RP2004709	0.08
	NT2RP2004736	F-NT2RP2004736	0.13
30	NT2RP2004767	F-NT2RP2004767	0.21
	NT2RP2004775	F-NT2RP2004775	0.17
	NT2RP2004961	F-NT2RP2004961	0.21
	NT2RP2004962	F-NT2RP2004962	0.24
	NT2RP2004967	F-NT2RP2004967	0.05
35	NT2RP2004982	F-NT2RP2004982	0.11
	NT2RP2005020	F-NT2RP2005020	0.16
	NT2RP2005031	F-NT2RP2005031	0.07
	NT2RP2005108	F-NT2RP2005108	0.11
40	NT2RP2005254	F-NT2RP2005254	0.16
	NT2RP2005289	F-NT2RP2005289	0.22
	NT2RP2005293	F-NT2RP2005293	0.08
	NT2RP2005325	F-NT2RP2005325	
45	NT2RP2005336	F-NT2RP2005336	0.27
	NT2RP2005344	F-NT2RP2005344	0.24
	NT2RP2005354	F-NT2RP2005354	0.08
	NT2RP2005360	F-NT2RP2005360	0.12
	NT2RP2005407	F-NT2RP2005407	0.28
50	NT2RP2005476	F-NT2RP2005476	0.14
	NT2RP2005491	F-NT2RP2005491	0.18
	NT2RP2005501	F-NT2RP2005501	0.1
	NT2RP2005531	F-NT2RP2005531	0.29
55	NT2RP2005581	F-NT2RP2005581	0.07

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	NT2RP2005645	F-NT2RP2005645	0.13
	NT2RP2005651	F-NT2RP2005651	0.06
	NT2RP2005694	F-NT2RP2005694	0.3
5	NT2RP2005701	F-NT2RP2005701	0.11
	NT2RP2005719	F-NT2RP2005719	0.06
	NT2RP2005726	F-NT2RP2005726	0.29
	NT2RP2005741	F-NT2RP2005741	0.22
10	NT2RP2005753	F-NT2RP2005753	0.16
	NT2RP2005815	F-NT2RP2005815	0.18
	NT2RP2005841	F-NT2RP2005841	0.05
	NT2RP2005857	F-NT2RP2005857	0.28
15	NT2RP2005908	F-NT2RP2005908	0.05
	NT2RP2005942	F-NT2RP2005942	0.26
	NT2RP2005980	F-NT2RP2005980	0.1
	NT2RP2006098	F-NT2RP2006098	0.06
20	NT2RP2006103	F-NT2RP2006103	0.07
	NT2RP2006166	F-NT2RP2006166	0.27
	NT2RP2006184	F-NT2RP2006184	0.23
	NT2RP2006258	F-NT2RP2006258	0.12
25	NT2RP2006261	F-NT2RP2006261	0.16
	NT2RP2006320	F-NT2RP2006320	0.16
	NT2RP2006321	F-NT2RP2006321	0.15
	NT2RP2006323	F-NT2RP2006323	
	NT2RP2006393	F-NT2RP2006393	0.07
30	NT2RP2006454	F-NT2RP2006454	0.11
	NT2RP2006467	F-NT2RP2006467	0.24
	NT2RP2006534	F-NT2RP2006534	0.14
	NT2RP2006554	F-NT2RP2006554	0.16
35	NT2RP2006598	F-NT2RP2006598	0.08
	NT2RP3000055	F-NT2RP3000055	0.14
	NT2RP3000109	F-NT2RP3000109	0.18
	NT2RP3000186	F-NT2RP3000186	0.06
40	NT2RP3000233	F-NT2RP3000233	0.29
	NT2RP3000235	F-NT2RP3000235	0.09
	NT2RP3000247	F-NT2RP3000247	0.19
	NT2RP3000341	F-NT2RP3000341	0.16
	NT2RP3000418	F-NT2RP3000418	0.15
45	NT2RP3000433	F-NT2RP3000433	0.11
	NT2RP3000441	F-NT2RP3000441	0.2
	NT2RP3000449	F-NT2RP3000449	0.16
	NT2RP3000451	F-NT2RP3000451	0.14
50	NT2RP3000512	F-NT2RP3000512	0.08
	NT2RP3000542	F-NT2RP3000542	0.1
	NT2RP3000561	F-NT2RP3000561	0.1
	NT2RP3000578	F-NT2RP3000578	0.3
55	NT2RP3000582	F-NT2RP3000582	0.08

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	NT2RP3000584	F-NT2RP3000584	0.07
	NT2RP3000622	F-NT2RP3000622	0.17
5	NT2RP3000628	F-NT2RP3000628	0.08
	NT2RP3000685	F-NT2RP3000685	0.17
	NT2RP3000736	F-NT2RP3000736	0.26
	NT2RP3000742	F-NT2RP3000742	0.22
10	NT2RP3000815	F-NT2RP3000815	0.06
	NT2RP3000865	F-NT2RP3000865	0.13
	NT2RP3000875	F-NT2RP3000875	0.16
	NT2RP3000904	F-NT2RP3000904	0.13
	NT2RP3001007	F-NT2RP3001007	0.1
15	NT2RP3001115	F-NT2RP3001115	0.1
	NT2RP3001232	F-NT2RP3001232	0.09
	NT2RP3001245	F-NT2RP3001245	0.09
	NT2RP3001281	F-NT2RP3001281	0.29
20	NT2RP3001318	F-NT2RP3001318	0.12
	NT2RP3001339	F-NT2RP3001339	0.27
	NT2RP3001340	F-NT2RP3001340	0.11
	NT2RP3001374	F-NT2RP3001374	0.21
25	NT2RP3001383	F-NT2RP3001383	0.09
	NT2RP3001432	F-NT2RP3001432	0.29
	NT2RP3001459	F-NT2RP3001459	0.16
	NT2RP3001527	F-NT2RP3001527	0.3
30	NT2RP3001580	F-NT2RP3001580	0.23
	NT2RP3001589	F-NT2RP3001589	0.12
	NT2RP3001607	F-NT2RP3001607	0.12
	NT2RP3001634	F-NT2RP3001634	0.15
	NT2RP3001752	F-NT2RP3001752	0.09
35	NT2RP3001782	F-NT2RP3001782	0.21
	NT2RP3001898	F-NT2RP3001898	0.07
	NT2RP3001926	F-NT2RP3001926	0.05
	NT2RP3001989	F-NT2RP3001989	0.14
40	NT2RP3002002	F-NT2RP3002002	0.18
	NT2RP3002004	F-NT2RP3002004	0.11
	NT2RP3002056	F-NT2RP3002056	0.16
	NT2RP3002057	F-NT2RP3002057	0.08
45	NT2RP3002166	F-NT2RP3002166	0.15
	NT2RP3002173	F-NT2RP3002173	0.28
	NT2RP3002352	F-NT2RP3002352	0.19
	NT2RP3002687	F-NT2RP3002687	0.12
	NT2RP3002713	F-NT2RP3002713	0.1
50	NT2RP3002770	F-NT2RP3002770	0.23
	NT2RP3002799	F-NT2RP3002799	0.17
	NT2RP3002810	F-NT2RP3002810	0.2
	NT2RP3002955	F-NT2RP3002955	0.17
55	NT2RP3002978	F-NT2RP3002978	0.06

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	NT2RP3003032	F-NT2RP3003032	0.1
	NT2RP3003059	F-NT2RP3003059	0.11
	NT2RP3003121	F-NT2RP3003121	0.23
5	NT2RP3003133	F-NT2RP3003133	0.21
	NT2RP3003138	F-NT2RP3003138	0.29
	NT2RP3003264	F-NT2RP3003264	0.15
	NT2RP3003346	F-NT2RP3003346	0.16
10	NT2RP3003384	F-NT2RP3003384	0.12
	NT2RP3003403	F-NT2RP3003403	0.26
	NT2RP3003433	F-NT2RP3003433	0.22
	NT2RP3003464	F-NT2RP3003464	0.28
15	NT2RP3003500	F-NT2RP3003500	0.2
	NT2RP3003572	F-NT2RP3003572	0.29
	NT2RP3003576	F-NT2RP3003576	0.16
	NT2RP3003625	F-NT2RP3003625	0.29
20	NT2RP3003665	F-NT2RP3003665	0.15
	NT2RP3003746	F-NT2RP3003746	0.07
	NT2RP3003799	F-NT2RP3003799	0.13
	NT2RP3003800	F-NT2RP3003800	0.28
25	NT2RP3003819	F-NT2RP3003819	0.19
	NT2RP3003828	F-NT2RP3003828	0.12
	NT2RP3003842	F-NT2RP3003842	0.11
	NT2RP3003989	F-NT2RP3003989	0.1
	NT2RP3004016	F-NT2RP3004016	0.09
30	NT2RP3004070	F-NT2RP3004070	0.11
	NT2RP3004095	F-NT2RP3004095	0.1
	NT2RP3004110	F-NT2RP3004110	0.07
	NT2RP3004145	F-NT2RP3004145	0.15
35	NT2RP3004148	F-NT2RP3004148	0.14
	NT2RP3004215	F-NT2RP3004215	0.16
	NT2RP3004334	F-NT2RP3004334	0.1
	NT2RP3004349	F-NT2RP3004349	0.09
40	NT2RP3004399	F-NT2RP3004399	0.16
	NT2RP3004470	F-NT2RP3004470	0.23
	NT2RP3004475	F-NT2RP3004475	0.26
	NT2RP3004503	F-NT2RP3004503	0.12
45	NT2RP3004527	F-NT2RP3004527	0.06
	NT2RP4000023	F-NT2RP4000023	0.13
	NT2RP4000035	F-NT2RP4000035	0.17
	NT2RP4000049	F-NT2RP4000049	0.1
	NT2RP4000078	F-NT2RP4000078	0.28
50	NT2RP4000102	F-NT2RP4000102	0.15
	NT2RP4000167	F-NT2RP4000167	0.19
	NT2RP4000214	F-NT2RP4000214	0.12
	NT2RP4000218	F-NT2RP4000218	0.17
55	NT2RP4000321	F-NT2RP4000321	0.18

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	NT2RP4000424	F-NT2RP4000424	0.22
	NT2RP4000515	F-NT2RP4000515	0.13
5	NT2RP4000517	F-NT2RP4000517	0.1
	NT2RP4000519	F-NT2RP4000519	0.26
	NT2RP4000915	F-NT2RP4000915	0.19
	NT2RP4000996	F-NT2RP4000996	0.05
10	NT2RP4001407	F-NT2RP4001407	0.2
	NT2RP4001889	F-NT2RP4001889	0.09
	NT2RP4002075	F-NT2RP4002075	0.19
	NT2RP4002905	F-NT2RP4002905	0.15
15	OVARC1000017	F-OVARC1000017	0.12
	OVARC1000058	F-OVARC1000058	0.2
	OVARC1000068	F-OVARC1000068	0.14
	OVARC1000071	F-OVARC1000071	0.15
	OVARC1000085	F-OVARC1000085	0.16
20	OVARC1000092	F-OVARC1000092	0.26
	OVARC1000133	F-OVARC1000133	0.14
	OVARC1000145	F-OVARC1000145	0.15
	OVARC1000191	F-OVARC1000191	0.07
25	OVARC1000198	F-OVARC1000198	0.23
	OVARC1000240	F-OVARC1000240	0.11
	OVARC1000302	F-OVARC1000302	0.08
	OVARC1000414	F-OVARC1000414	0.12
30	OVARC1000427	F-OVARC1000427	0.1
	OVARC1000431	F-OVARC1000431	0.06
	OVARC1000486	F-OVARC1000486	0.08
	OVARC1000496	F-OVARC1000496	0.13
35	OVARC1000526	F-OVARC1000526	0.09
	OVARC1000533	F-OVARC1000533	0.11
	OVARC1000543	F-OVARC1000543	0.2
	OVARC1000573	F-OVARC1000573	0.09
	OVARC1000578	F-OVARC1000578	0.13
40	OVARC1000678	F-OVARC1000678	0.17
	OVARC1000679	F-OVARC1000679	0.23
	OVARC1000700	F-OVARC1000700	0.28
	OVARC1000769	F-OVARC1000769	0.05
45	OVARC1000802	F-OVARC1000802	0.06
	OVARC1000891	F-OVARC1000891	0.08
	OVARC1000897	F-OVARC1000897	0.11
	OVARC1000936	F-OVARC1000936	0.14
	OVARC1000937	F-OVARC1000937	0.29
50	OVARC1000948	F-OVARC1000948	0.14
	OVARC1000960	F-OVARC1000960	0.07
	OVARC1000971	F-OVARC1000971	0.11
	OVARC1001000	F-OVARC1001000	0.06
55	OVARC1001011	F-OVARC1001011	0.15

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	OVARC1001051	F-OVARC1001051	0.16
	OVARC1001062	F-OVARC1001062	0.09
5	OVARC1001072	F-OVARC1001072	0.11
	OVARC1001085	F-OVARC1001085	0.12
	OVARC1001117	F-OVARC1001117	0.21
	OVARC1001118	F-OVARC1001118	0.08
	OVARC1001129	F-OVARC1001129	0.28
10	OVARC1001169	F-OVARC1001169	0.12
	OVARC1001240	F-OVARC1001240	0.09
	OVARC1001261	F-OVARC1001261	0.1
	OVARC1001268	F-OVARC1001268	0.05
15	OVARC1001282	F-OVARC1001282	0.09
	OVARC1001330	F-OVARC1001330	0.08
	OVARC1001339	F-OVARC1001339	0.15
	OVARC1001342	F-OVARC1001342	0.16
20	OVARC1001357	F-OVARC1001357	0.06
	OVARC1001442	F-OVARC1001442	0.15
	OVARC1001480	F-OVARC1001480	0.23
	OVARC1001542	F-OVARC1001542	0.13
25	OVARC1001547	F-OVARC1001547	0.12
	OVARC1001600	F-OVARC1001600	0.13
	OVARC1001615	F-OVARC1001615	0.11
	OVARC1001668	F-OVARC1001668	0.05
30	OVARC1001726	F-OVARC1001726	0.18
	OVARC1001745	F-OVARC1001745	0.22
	OVARC1001795	F-OVARC1001795	0.28
	OVARC1001805	F-OVARC1001805	0.16
	OVARC1001812	F-OVARC1001812	0.05
35	OVARC1001813	F-OVARC1001813	0.11
	OVARC1001846	F-OVARC1001846	0.13
	OVARC1001883	F-OVARC1001883	0.05
	OVARC1001900	F-OVARC1001900	0.28
40	OVARC1001901	F-OVARC1001901	0.09
	OVARC1001911	F-OVARC1001911	0.06
	OVARC1001928	F-OVARC1001928	0.1
	OVARC1001989	F-OVARC1001989	0.07
45	OVARC1002044	F-OVARC1002044	0.06
	OVARC1002066	F-OVARC1002066	0.08
	OVARC1002143	F-OVARC1002143	0.27
	PLACE1000031	F-PLACE1000031	0.09
	PLACE1000040	F-PLACE1000040	0.15
50	PLACE1000078	F-PLACE1000078	0.12
	PLACE1000094	F-PLACE1000094	0.16
	PLACE1000214	F-PLACE1000214	0.15
	PLACE1000292	F-PLACE1000292	0.05
55	PLACE1000332	F-PLACE1000332	0.1

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	PLACE1000421	F-PLACE1000421	0.14
	PLACE1000424	F-PLACE1000424	0.08
5	PLACE1000481	F-PLACE1000481	0.12
	PLACE1000540	F-PLACE1000540	0.11
	PLACE1000583	F-PLACE1000583	0.1
	PLACE1000599	F-PLACE1000599	0.22
10	PLACE1000749	F-PLACE1000749	0.2
	PLACE1000841	F-PLACE1000841	0.09
	PLACE1000931	F-PLACE1000931	0.22
	PLACE1000979	F-PLACE1000979	0.16
15	PLACE1001007	F-PLACE1001007	0.19
	PLACE1001015	F-PLACE1001015	0.25
	PLACE1001076	F-PLACE1001076	0.08
	PLACE1001088	F-PLACE1001088	0.18
	PLACE1001118	F-PLACE1001118	0.24
20	PLACE1001136	F-PLACE1001136	0.12
	PLACE1001272	F-PLACE1001272	0.07
	PLACE1001279	F-PLACE1001279	0.08
	PLACE1001323	F-PLACE1001323	0.18
25	PLACE1001377	F-PLACE1001377	0.16
	PLACE1001384	F-PLACE1001384	0.06
	PLACE1001395	F-PLACE1001395	0.08
	PLACE1001414	F-PLACE1001414	0.11
	PLACE1001440	F-PLACE1001440	0.14
30	PLACE1001468	F-PLACE1001468	0.05
	PLACE1001502	F-PLACE1001502	0.06
	PLACE1001517	F-PLACE1001517	0.09
	PLACE1001534	F-PLACE1001534	0.08
35	PLACE1001603	F-PLACE1001603	0.08
	PLACE1001611	F-PLACE1001611	0.25
	PLACE1001640	F-PLACE1001640	0.09
	PLACE1001672	F-PLACE1001672	0.11
40	PLACE1001691	F-PLACE1001691	0.11
	PLACE1001705	F-PLACE1001705	0.1
	PLACE1001716	F-PLACE1001716	0.15
	PLACE1001720	F-PLACE1001720	0.18
	PLACE1001745	F-PLACE1001745	0.09
45	PLACE1001746	F-PLACE1001746	0.12
	PLACE1001748	F-PLACE1001748	0.08
	PLACE1001756	F-PLACE1001756	0.17
	PLACE1001799	F-PLACE1001799	0.14
50	PLACE1001821	F-PLACE1001821	0.09
	PLACE1001845	F-PLACE1001845	0.08
	PLACE1001897	F-PLACE1001897	0.15
	PLACE1002052	F-PLACE1002052	0.13
55	PLACE1002066	F-PLACE1002066	0.07

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	PLACE1002150	F-PLACE1002150	0.08
	PLACE1002157	F-PLACE1002157	0.15
5	PLACE1002205	F-PLACE1002205	0.13
	PLACE1002227	F-PLACE1002227	0.12
	PLACE1002256	F-PLACE1002256	0.11
	PLACE1002259	F-PLACE1002259	0.09
	PLACE1002319	F-PLACE1002319	0.27
10	PLACE1002399	F-PLACE1002399	0.08
	PLACE1002477	F-PLACE1002477	0.17
	PLACE1002493	F-PLACE1002493	0.09
	PLACE1002500	F-PLACE1002500	0.25
15	PLACE1002514	F-PLACE1002514	0.06
	PLACE1002537	F-PLACE1002537	0.17
	PLACE1002578	F-PLACE1002578	0.11
	PLACE1002583	F-PLACE1002583	0.25
20	PLACE1002591	F-PLACE1002591	0.28
	PLACE1002598	F-PLACE1002598	0.29
	PLACE1002604	F-PLACE1002604	0.15
	PLACE1002768	F-PLACE1002768	0.11
25	PLACE1002772	F-PLACE1002772	0.15
	PLACE1002782	F-PLACE1002782	0.16
	PLACE1002853	F-PLACE1002853	0.16
	PLACE1002881	F-PLACE1002881	0.09
	PLACE1002962	F-PLACE1002962	0.13
30	PLACE1002968	F-PLACE1002968	0.23
	PLACE1003153	F-PLACE1003153	0.07
	PLACE1003205	F-PLACE1003205	0.2
	PLACE1003238	F-PLACE1003238	0.22
35	PLACE1003258	F-PLACE1003258	0.17
	PLACE1003343	F-PLACE1003343	0.07
	PLACE1003361	F-PLACE1003361	0.19
	PLACE1003373	F-PLACE1003373	0.08
40	PLACE1003375	F-PLACE1003375	0.26
	PLACE1003401	F-PLACE1003401	0.11
	PLACE1003420	F-PLACE1003420	0.22
	PLACE1003478	F-PLACE1003478	0.14
45	PLACE1003516	F-PLACE1003516	0.17
	PLACE1003519	F-PLACE1003519	0.14
	PLACE1003521	F-PLACE1003521	0.17
	PLACE1003528	F-PLACE1003528	0.16
	PLACE1003566	F-PLACE1003566	0.16
50	PLACE1003575	F-PLACE1003575	0.06
	PLACE1003583	F-PLACE1003583	0.08
	PLACE1003584	F-PLACE1003584	0.1
	PLACE1003593	F-PLACE1003593	0.15
55	PLACE1003618	F-PLACE1003618	0.25

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	PLACE1003638	F-PLACE1003638	0.06
	PLACE1003760	F-PLACE1003760	0.12
5	PLACE1003768	F-PLACE1003768	0.13
	PLACE1003833	F-PLACE1003833	0.06
	PLACE1003850	F-PLACE1003850	0.07
	PLACE1003858	F-PLACE1003858	0.07
	PLACE1003864	F-PLACE1003864	0.12
10	PLACE1003900	F-PLACE1003900	0.11
	PLACE1003932	F-PLACE1003932	0.05
	PLACE1004118	F-PLACE1004118	0.3
	PLACE1004242	F-PLACE1004242	0.05
15	PLACE1004256	F-PLACE1004256	0.24
	PLACE1004257	F-PLACE1004257	0.06
	PLACE1004274	F-PLACE1004274	0.25
	PLACE1004284	F-PLACE1004284	0.13
20	PLACE1004336	F-PLACE1004336	0.27
	PLACE1004384	F-PLACE1004384	0.17
	PLACE1004425	F-PLACE1004425	0.12
	PLACE1004467	F-PLACE1004467	0.2
25	PLACE1004471	F-PLACE1004471	0.12
	PLACE1004491	F-PLACE1004491	0.08
	PLACE1004506	F-PLACE1004506	
	PLACE1004518	F-PLACE1004518	0.14
	PLACE1004658	F-PLACE1004658	0.05
30	PLACE1004681	F-PLACE1004681	0.13
	PLACE1004693	F-PLACE1004693	0.11
	PLACE1004716	F-PLACE1004716	0.12
	PLACE1004773	F-PLACE1004773	0.17
35	PLACE1004793	F-PLACE1004793	0.21
	PLACE1004813	F-PLACE1004813	0.11
	PLACE1004815	F-PLACE1004815	0.14
	PLACE1004827	F-PLACE1004827	0.15
40	PLACE1004836	F-PLACE1004836	0.25
	PLACE1004838	F-PLACE1004838	0.16
	PLACE1004840	F-PLACE1004840	0.06
	PLACE1004900	F-PLACE1004900	0.08
45	PLACE1004913	F-PLACE1004913	0.12
	PLACE1004934	F-PLACE1004934	0.17
	PLACE1004972	F-PLACE1004972	0.07
	PLACE1004979	F-PLACE1004979	0.24
	PLACE1004985	F-PLACE1004985	0.05
50	PLACE1005052	F-PLACE1005052	0.17
	PLACE1005077	F-PLACE1005077	0.1
	PLACE1005085	F-PLACE1005085	0.13
	PLACE1005086	F-PLACE1005086	0.13
55	PLACE1005108	F-PLACE1005108	0.28

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	PLACE1005111	F-PLACE1005111	0.15
	PLACE1005128	F-PLACE1005128	0.12
	PLACE1005146	F-PLACE1005146	0.07
5	PLACE1005162	F-PLACE1005162	0.13
	PLACE1005176	F-PLACE1005176	0.16
	PLACE1005409	F-PLACE1005409	0.09
	PLACE1005453	F-PLACE1005453	0.1
10	PLACE1005467	F-PLACE1005467	0.28
	PLACE1005471	F-PLACE1005471	0.06
	PLACE1005477	F-PLACE1005477	0.12
	PLACE1005502	F-PLACE1005502	0.1
15	PLACE1005526	F-PLACE1005526	
	PLACE1005528	F-PLACE1005528	0.07
	PLACE1005574	F-PLACE1005574	0.06
	PLACE1005584	F-PLACE1005584	0.24
20	PLACE1005611	F-PLACE1005611	0.18
	PLACE1005639	F-PLACE1005639	0.09
	PLACE1005666	F-PLACE1005666	0.07
	PLACE1005730	F-PLACE1005730	0.2
	PLACE1005802	F-PLACE1005802	0.1
25	PLACE1005845	F-PLACE1005845	0.09
	PLACE1005850	F-PLACE1005850	0.22
	PLACE1005884	F-PLACE1005884	0.08
	PLACE1005898	F-PLACE1005898	0.12
30	PLACE1005932	F-PLACE1005932	0.13
	PLACE1005968	F-PLACE1005968	0.07
	PLACE1006002	F-PLACE1006002	0.08
	PLACE1006003	F-PLACE1006003	0.16
35	PLACE1006017	F-PLACE1006017	0.13
	PLACE1006076	F-PLACE1006076	0.11
	PLACE1006129	F-PLACE1006129	0.25
	PLACE1006143	F-PLACE1006143	0.08
40	PLACE1006164	F-PLACE1006164	0.05
	PLACE1006187	F-PLACE1006187	0.2
	PLACE1006205	F-PLACE1006205	0.08
	PLACE1006223	F-PLACE1006223	0.05
	PLACE1006262	F-PLACE1006262	0.08
45	PLACE1006288	F-PLACE1006288	0.06
	PLACE1006318	F-PLACE1006318	0.12
	PLACE1006360	F-PLACE1006360	0.07
	PLACE1006368	F-PLACE1006368	0.27
50	PLACE1006371	F-PLACE1006371	0.14
	PLACE1006382	F-PLACE1006382	0.09
	PLACE1006470	F-PLACE1006470	0.14
	PLACE1006506	F-PLACE1006506	0.24
55	PLACE1006521	F-PLACE1006521	0.08

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	PLACE1006534	F-PLACE1006534	0.06
	PLACE1006540	F-PLACE1006540	0.05
	PLACE1006617	F-PLACE1006617	0.05
5	PLACE1006629	F-PLACE1006629	0.2
	PLACE1006640	F-PLACE1006640	0.05
	PLACE1006754	F-PLACE1006754	0.08
	PLACE1006760	F-PLACE1006760	0.05
10	PLACE1006779	F-PLACE1006779	0.17
	PLACE1006792	F-PLACE1006792	0.15
	PLACE1006795	F-PLACE1006795	0.1
	PLACE1006800	F-PLACE1006800	0.11
15	PLACE1006805	F-PLACE1006805	0.12
	PLACE1006815	F-PLACE1006815	0.14
	PLACE1006860	F-PLACE1006860	0.06
	PLACE1006867	F-PLACE1006867	0.11
20	PLACE1006878	F-PLACE1006878	0.23
	PLACE1006904	F-PLACE1006904	0.13
	PLACE1007045	F-PLACE1007045	0.08
	PLACE1007097	F-PLACE1007097	0.13
	PLACE1007111	F-PLACE1007111	0.08
25	PLACE1007132	F-PLACE1007132	0.07
	PLACE1007140	F-PLACE1007140	0.16
	PLACE1007276	F-PLACE1007276	0.09
	PLACE1007286	F-PLACE1007286	0.05
30	PLACE1007478	F-PLACE1007478	0.19
	PLACE1007525	F-PLACE1007525	0.11
	PLACE1007557	F-PLACE1007557	0.13
	PLACE1007677	F-PLACE1007677	0.08
35	PLACE1007737	F-PLACE1007737	0.07
	PLACE1007743	F-PLACE1007743	0.09
	PLACE1007807	F-PLACE1007807	0.09
	PLACE1007829	F-PLACE1007829	0.09
	PLACE1007852	F-PLACE1007852	0.14
40	PLACE1007866	F-PLACE1007866	0.07
	PLACE1007877	F-PLACE1007877	0.29
	PLACE1008045	F-PLACE1008045	0.17
	PLACE1008080	F-PLACE1008080	0.05
45	PLACE1008111	F-PLACE1008111	0.11
	PLACE1008181	F-PLACE1008181	0.08
	PLACE1008201	F-PLACE1008201	0.12
	PLACE1008231	F-PLACE1008231	0.08
50	PLACE1008244	F-PLACE1008244	0.06
	PLACE1008330	F-PLACE1008330	0.13
	PLACE1008331	F-PLACE1008331	0.15
	PLACE1008369	F-PLACE1008369	0.06
55	PLACE1008392	F-PLACE1008392	0.09

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	PLACE1008405	F-PLACE1008405	0.07
	PLACE1008424	F-PLACE1008424	0.06
	PLACE1008426	F-PLACE1008426	0.17
5	PLACE1008437	F-PLACE1008437	0.2
	PLACE1008455	F-PLACE1008455	0.07
	PLACE1008584	F-PLACE1008584	0.29
	PLACE1008621	F-PLACE1008621	0.07
10	PLACE1008625	F-PLACE1008625	0.12
	PLACE1008630	F-PLACE1008630	0.12
	PLACE1008643	F-PLACE1008643	0.11
	PLACE1008715	F-PLACE1008715	0.2
15	PLACE1008748	F-PLACE1008748	0.15
	PLACE1008757	F-PLACE1008757	0.13
	PLACE1008798	F-PLACE1008798	0.14
	PLACE1008807	F-PLACE1008807	0.12
20	PLACE1008851	F-PLACE1008851	0.22
	PLACE1008920	F-PLACE1008920	0.1
	PLACE1008941	F-PLACE1008941	0.14
	PLACE1008947	F-PLACE1008947	0.05
25	PLACE1009020	F-PLACE1009020	0.14
	PLACE1009039	F-PLACE1009039	0.16
	PLACE1009048	F-PLACE1009048	0.09
	PLACE1009050	F-PLACE1009050	0.09
	PLACE1009150	F-PLACE1009150	0.12
30	PLACE1009155	F-PLACE1009155	0.08
	PLACE1009172	F-PLACE1009172	0.07
	PLACE1009183	F-PLACE1009183	0.07
	PLACE1009200	F-PLACE1009200	0.08
35	PLACE1009246	F-PLACE1009246	0.08
	PLACE1009308	F-PLACE1009308	0.23
	PLACE1009398	F-PLACE1009398	0.26
	PLACE1009410	F-PLACE1009410	0.15
	PLACE1009477	F-PLACE1009477	0.18
40	PLACE1009493	F-PLACE1009493	0.23
	PLACE1009539	F-PLACE1009539	0.11
	PLACE1009595	F-PLACE1009595	0.11
	PLACE1009613	F-PLACE1009613	0.08
45	PLACE1009621	F-PLACE1009621	0.19
	PLACE1009637	F-PLACE1009637	0.27
	PLACE1009639	F-PLACE1009639	0.27
	PLACE1009879	F-PLACE1009879	0.07
50	PLACE1009888	F-PLACE1009888	0.06
	PLACE1009924	F-PLACE1009924	0.09
	PLACE1009925	F-PLACE1009925	0.21
	PLACE1009935	F-PLACE1009935	0.22
55	PLACE1009947	F-PLACE1009947	0.19

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	PLACE1010069	F-PLACE1010069	0.22
	PLACE1010083	F-PLACE1010083	0.26
	PLACE1010089	F-PLACE1010089	0.13
5	PLACE1010181	F-PLACE1010181	0.07
	PLACE1010231	F-PLACE1010231	0.17
	PLACE1010270	F-PLACE1010270	0.08
	PLACE1010341	F-PLACE1010341	0.1
10	PLACE1010562	F-PLACE1010562	0.14
	PLACE1010579	F-PLACE1010579	0.15
	PLACE1010624	F-PLACE1010624	0.13
	PLACE1010628	F-PLACE1010628	0.16
15	PLACE1010631	F-PLACE1010631	0.23
	PLACE1010662	F-PLACE1010662	0.24
	PLACE1010702	F-PLACE1010702	0.21
	PLACE1010739	F-PLACE1010739	0.13
20	PLACE1010802	F-PLACE1010802	0.17
	PLACE1010891	F-PLACE1010891	0.09
	PLACE1010896	F-PLACE1010896	0.22
	PLACE1010916	F-PLACE1010916	0.15
	PLACE1010947	F-PLACE1010947	0.08
25	PLACE1011032	F-PLACE1011032	0.17
	PLACE1011057	F-PLACE1011057	0.1
	PLACE1011109	F-PLACE1011109	0.08
	PLACE1011133	F-PLACE1011133	0.08
30	PLACE1011143	F-PLACE1011143	0.23
	PLACE1011165	F-PLACE1011165	0.05
	PLACE1011185	F-PLACE1011185	0.17
	PLACE1011203	F-PLACE1011203	0.08
35	PLACE1011296	F-PLACE1011296	0.13
	PLACE1011340	F-PLACE1011340	0.05
	PLACE1011375	F-PLACE1011375	0.07
	PLACE1011419	F-PLACE1011419	0.15
40	PLACE1011452	F-PLACE1011452	0.13
	PLACE1011465	F-PLACE1011465	0.14
	PLACE1011492	F-PLACE1011492	0.26
	PLACE1011503	F-PLACE1011503	0.14
45	PLACE1011520	F-PLACE1011520	0.12
	PLACE1011567	F-PLACE1011567	0.13
	PLACE1011576	F-PLACE1011576	0.29
	PLACE1011641	F-PLACE1011641	0.07
	PLACE1011643	F-PLACE1011643	0.27
50	PLACE1011649	F-PLACE1011649	0.17
	PLACE1011650	F-PLACE1011650	0.13
	PLACE1011719	F-PLACE1011719	0.15
	PLACE1011729	F-PLACE1011729	0.23
55	PLACE1011749	F-PLACE1011749	0.12

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	PLACE1011762	F-PLACE1011762	0.06
	PLACE1011778	F-PLACE1011778	0.07
	PLACE1011874	F-PLACE1011874	0.07
5	PLACE1011962	F-PLACE1011962	0.06
	PLACE1011964	F-PLACE1011964	0.13
	PLACE1011995	F-PLACE1011995	0.08
	PLACE2000003	F-PLACE2000003	0.09
10	PLACE2000011	F-PLACE2000011	0.12
	PLACE2000017	F-PLACE2000017	0.22
	PLACE2000061	F-PLACE2000061	0.19
	PLACE2000103	F-PLACE2000103	0.16
15	PLACE2000115	F-PLACE2000115	0.11
	PLACE2000132	F-PLACE2000132	0.24
	PLACE2000136	F-PLACE2000136	0.09
	PLACE2000140	F-PLACE2000140	0.24
20	PLACE2000176	F-PLACE2000176	0.25
	PLACE2000187	F-PLACE2000187	0.16
	PLACE2000216	F-PLACE2000216	0.15
	PLACE2000264	F-PLACE2000264	0.06
25	PLACE2000305	F-PLACE2000305	0.05
	PLACE2000317	F-PLACE2000317	0.25
	PLACE2000335	F-PLACE2000335	0.09
	PLACE2000342	F-PLACE2000342	0.07
	PLACE2000347	F-PLACE2000347	0.12
30	PLACE2000366	F-PLACE2000366	0.08
	PLACE2000379	F-PLACE2000379	0.24
	PLACE2000394	F-PLACE2000394	0.2
	PLACE2000398	F-PLACE2000398	0.21
35	PLACE2000419	F-PLACE2000419	0.05
	PLACE2000425	F-PLACE2000425	0.16
	PLACE2000435	F-PLACE2000435	0.05
	PLACE2000450	F-PLACE2000450	0.12
40	PLACE2000455	F-PLACE2000455	0.15
	PLACE2000465	F-PLACE2000465	0.12
	PLACE2000477	F-PLACE2000477	0.3
	PLACE3000004	F-PLACE3000004	0.3
	PLACE3000119	F-PLACE3000119	0.1
45	PLACE3000124	F-PLACE3000124	0.11
	PLACE3000136	F-PLACE3000136	0.13
	PLACE3000158	F-PLACE3000158	0.06
	PLACE3000169	F-PLACE3000169	0.13
50	PLACE3000199	F-PLACE3000199	0.06
	PLACE3000207	F-PLACE3000207	0.11
	PLACE3000208	F-PLACE3000208	0.07
	PLACE3000218	F-PLACE3000218	0.15
55	PLACE3000220	F-PLACE3000220	0.05

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	PLACE3000230	F-PLACE3000230	0.23
	PLACE3000271	F-PLACE3000271	0.17
	PLACE3000276	F-PLACE3000276	0.2
5	PLACE3000341	F-PLACE3000341	0.08
	PLACE3000362	F-PLACE3000362	0.19
	PLACE3000365	F-PLACE3000365	0.09
	PLACE3000373	F-PLACE3000373	0.22
10	PLACE3000388	F-PLACE3000388	0.12
	PLACE3000399	F-PLACE3000399	0.14
	PLACE3000400	F-PLACE3000400	0.08
	PLACE3000401	F-PLACE3000401	0.1
15	PLACE3000402	F-PLACE3000402	0.1
	PLACE3000406	F-PLACE3000406	0.17
	PLACE3000475	F-PLACE3000475	0.07
	PLACE4000093	F-PLACE4000093	0.21
20	PLACE4000100	F-PLACE4000100	0.19
	PLACE4000233	F-PLACE4000233	0.07
	PLACE4000247	F-PLACE4000247	0.14
	PLACE4000250	F-PLACE4000250	0.17
	PLACE4000252	F-PLACE4000252	0.09
25	PLACE4000320	F-PLACE4000320	0.23
	PLACE4000344	F-PLACE4000344	0.21
	PLACE4000367	F-PLACE4000367	0.18
	PLACE4000379	F-PLACE4000379	0.14
30	PLACE4000401	F-PLACE4000401	0.13
	PLACE4000411	F-PLACE4000411	0.11
	PLACE4000494	F-PLACE4000494	0.19
	PLACE4000548	F-PLACE4000548	0.27
35	THYR01000026	F-THYR01000026	0.09
	THYR01000035	F-THYR01000035	0.09
	THYR01000085	F-THYR01000085	0.13
	THYR01000092	F-THYR01000092	0.21
40	THYR01000111	F-THYR01000111	0.13
	THYR01000129	F-THYR01000129	0.11
	THYR01000132	F-THYR01000132	0.1
	THYR01000156	F-THYR01000156	0.13
	THYR01000186	F-THYR01000186	0.12
45	THYR01000187	F-THYR01000187	0.11
	THYR01000190	F-THYR01000190	0.16
	THYR01000221	F-THYR01000221	0.08
	THYR01000241	F-THYR01000241	0.08
50	THYR01000279	F-THYR01000279	0.13
	THYR01000438	F-THYR01000438	0.06
	THYR01000452	F-THYR01000452	0.12
	THYR01000471	F-THYR01000471	0.11
55	THYR01000484	F-THYR01000484	0.24

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	THYRO1000558	F-THYRO1000558	0.09
	THYRO1000596	F-THYRO1000596	0.14
	THYRO1000602	F-THYRO1000602	0.13
5	THYRO1000625	F-THYRO1000625	0.2
	THYRO1000641	F-THYRO1000641	0.06
	THYRO1000658	F-THYRO1000658	0.12
	THYRO1000699	F-THYRO1000699	0.09
10	THYRO1000748	F-THYRO1000748	0.3
	THYRO1000793	F-THYRO1000793	0.25
	THYRO1000796	F-THYRO1000796	0.11
	THYRO1000805	F-THYRO1000805	0.28
15	THYRO1000815	F-THYRO1000815	0.14
	THYRO1000843	F-THYRO1000843	0.13
	THYRO1000852	F-THYRO1000852	0.05
	THYRO1000865	F-THYRO1000865	0.14
20	THYRO1000895	F-THYRO1000895	0.12
	THYRO1000974	F-THYRO1000974	0.07
	THYRO1000975	F-THYRO1000975	0.08
	THYRO1001003	F-THYRO1001003	0.11
25	THYRO1001031	F-THYRO1001031	0.1
	THYRO1001062	F-THYRO1001062	0.14
	THYRO1001093	F-THYRO1001093	0.13
	THYRO1001121	F-THYRO1001121	0.14
	THYRO1001133	F-THYRO1001133	0.24
30	THYRO1001177	F-THYRO1001177	
	THYRO1001262	F-THYRO1001262	0.2
	THYRO1001290	F-THYRO1001290	0.06
	THYRO1001321	F-THYRO1001321	0.09
35	THYRO1001322	F-THYRO1001322	0.13
	THYRO1001365	F-THYRO1001365	0.08
	THYRO1001401	F-THYRO1001401	0.21
	THYRO1001411	F-THYRO1001411	0.06
40	THYRO1001426	F-THYRO1001426	0.1
	THYRO1001434	F-THYRO1001434	0.15
	THYRO1001480	F-THYRO1001480	0.1
	THYRO1001534	F-THYRO1001534	0.26
45	THYRO1001541	F-THYRO1001541	0.22
	THYRO1001559	F-THYRO1001559	0.15
	THYRO1001570	F-THYRO1001570	0.28
	THYRO1001573	F-THYRO1001573	0.05
	THYRO1001595	F-THYRO1001595	0.05
50	THYRO1001617	F-THYRO1001617	0.1
	THYRO1001673	F-THYRO1001673	0.07
	THYRO1001706	F-THYRO1001706	0.15
	THYRO1001745	F-THYRO1001745	0.12
55	THYRO1001746	F-THYRO1001746	0.1

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	THYR01001772	F-THYR01001772	0.08
	THYR01001895	F-THYR01001895	0.19
5	THYR01001907	F-THYR01001907	0.17
	Y79AA1000033	F-Y79AA1000033	0.18
	Y79AA1000065	F-Y79AA1000065	0.22
	Y79AA1000346	F-Y79AA1000346	0.2
10	Y79AA1000405	F-Y79AA1000405	0.07
	Y79AA1000410	F-Y79AA1000410	0.08
	Y79AA1000538	F-Y79AA1000538	0.06
	Y79AA1000802	F-Y79AA1000802	0.28
15	Y79AA1000805	F-Y79AA1000805	0.2
	Y79AA1000969	F-Y79AA1000969	0.07
	Y79AA1001061	F-Y79AA1001061	0.22
	Y79AA1001167	F-Y79AA1001167	0.22
20	Y79AA1001384	F-Y79AA1001384	0.18
	Y79AA1001594	F-Y79AA1001594	0.22
	Y79AA1001692	F-Y79AA1001692	0.2
25	Y79AA1001848	F-Y79AA1001848	0.21
	Y79AA1001875	F-Y79AA1001875	0.09
	Y79AA1002103	F-Y79AA1002103	0.11
	Y79AA1002211	F-Y79AA1002211	0.19
30	Y79AA1002220	F-Y79AA1002220	0.25

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Table 11

574 clones belonging to groups (4), (5), (6), and (7), each having the maximal ATGpr1 score of not more than 0.3 and selected based on the maximal ATGpr2 score, and their maximal ATGpr2 scores

clone name	name of sequence	maximal ATGpr2 score
HEMBA1000180	F-HEMBA1000180	0.37
HEMBA1000251	F-HEMBA1000251	0.14
HEMBA1000280	F-HEMBA1000280	0.33
HEMBA1000282	F-HEMBA1000282	0.36
HEMBA1000333	F-HEMBA1000333	0.59
HEMBA1000351	F-HEMBA1000351	0.36
HEMBA1000357	F-HEMBA1000357	0.39
HEMBA1000376	F-HEMBA1000376	0.53
HEMBA1000469	F-HEMBA1000469	0.32
HEMBA1000504	F-HEMBA1000504	0.34
HEMBA1000519	F-HEMBA1000519	0.72
HEMBA1000545	F-HEMBA1000545	0.32
HEMBA1000557	F-HEMBA1000557	0.35
HEMBA1000575	F-HEMBA1000575	0.34

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	HEMBA1000604	F-HEMBA1000604	0.28
	HEMBA1000622	F-HEMBA1000622	0.32
5	HEMBA1000673	F-HEMBA1000673	0.14
	HEMBA1000726	F-HEMBA1000726	0.32
	HEMBA1000749	F-HEMBA1000749	0.35
	HEMBA1000822	F-HEMBA1000822	0.42
10	HEMBA1000876	F-HEMBA1000876	0.44
	HEMBA1000934	F-HEMBA1000934	0.41
	HEMBA1000943	F-HEMBA1000943	0.34
	HEMBA1000960	F-HEMBA1000960	0.34
	HEMBA1000972	F-HEMBA1000972	0.44
15	HEMBA1001020	F-HEMBA1001020	0.31
	HEMBA1001024	F-HEMBA1001024	0.22
	HEMBA1001026	F-HEMBA1001026	0.28
	HEMBA1001051	F-HEMBA1001051	0.36
20	HEMBA1001060	F-HEMBA1001060	0.34
	HEMBA1001071	F-HEMBA1001071	0.57
	HEMBA1001208	F-HEMBA1001208	0.57
	HEMBA1001226	F-HEMBA1001226	0.44
25	HEMBA1001319	F-HEMBA1001319	0.58
	HEMBA1001383	F-HEMBA1001383	0.35
	HEMBA1001391	F-HEMBA1001391	0.42
	HEMBA1001411	F-HEMBA1001411	0.55
30	HEMBA1001433	F-HEMBA1001433	0.66
	HEMBA1001435	F-HEMBA1001435	0.72
	HEMBA1001478	F-HEMBA1001478	0.36
	HEMBA1001522	F-HEMBA1001522	0.31
	HEMBA1001636	F-HEMBA1001636	0.32
35	HEMBA1001651	F-HEMBA1001651	0.54
	HEMBA1001658	F-HEMBA1001658	0.38
	HEMBA1001709	F-HEMBA1001709	0.55
	HEMBA1001734	F-HEMBA1001734	0.13
40	HEMBA1001745	F-HEMBA1001745	0.33
	HEMBA1001784	F-HEMBA1001784	0.08
	HEMBA1001791	F-HEMBA1001791	0.48
	HEMBA1001803	F-HEMBA1001803	0.21
45	HEMBA1001808	F-HEMBA1001808	0.23
	HEMBA1001835	F-HEMBA1001835	0.67
	HEMBA1001844	F-HEMBA1001844	0.46
	HEMBA1001888	F-HEMBA1001888	0.72
50	HEMBA1001918	F-HEMBA1001918	0.25
	HEMBA1001940	F-HEMBA1001940	0.40
	HEMBA1001962	F-HEMBA1001962	0.63
	HEMBA1002022	F-HEMBA1002022	0.32
	HEMBA1002185	F-HEMBA1002185	0.33
55	HEMBA1002257	F-HEMBA1002257	0.13

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	HEMBA1002348	F-HEMBA1002348	0.39
	HEMBA1002621	F-HEMBA1002621	0.47
5	HEMBA1002645	F-HEMBA1002645	0.34
	HEMBA1002661	F-HEMBA1002661	0.43
	HEMBA1002728	F-HEMBA1002728	0.45
	HEMBA1002742	F-HEMBA1002742	0.49
10	HEMBA1002921	F-HEMBA1002921	0.79
	HEMBA1002924	F-HEMBA1002924	0.45
	HEMBA1002934	F-HEMBA1002934	0.34
	HEMBA1002968	F-HEMBA1002968	0.39
15	HEMBA1003037	F-HEMBA1003037	0.43
	HEMBA1003064	F-HEMBA1003064	0.19
	HEMBA1003071	F-HEMBA1003071	0.48
	HEMBA1003166	F-HEMBA1003166	0.32
	HEMBA1003202	F-HEMBA1003202	0.38
20	HEMBA1003204	F-HEMBA1003204	0.34
	HEMBA1003220	F-HEMBA1003220	0.39
	HEMBA1003229	F-HEMBA1003229	0.43
	HEMBA1003276	F-HEMBA1003276	0.48
25	HEMBA1003296	F-HEMBA1003296	0.36
	HEMBA1003373	F-HEMBA1003373	0.48
	HEMBA1003531	F-HEMBA1003531	0.46
	HEMBA1003640	F-HEMBA1003640	0.32
30	HEMBA1003714	F-HEMBA1003714	0.16
	HEMBA1003856	F-HEMBA1003856	0.47
	HEMBA1003902	F-HEMBA1003902	0.17
	HEMBA1003908	F-HEMBA1003908	0.44
	HEMBA1003926	F-HEMBA1003926	0.36
35	HEMBA1003942	F-HEMBA1003942	0.47
	HEMBA1003987	F-HEMBA1003987	0.39
	HEMBA1004000	F-HEMBA1004000	0.87
	HEMBA1004024	F-HEMBA1004024	0.82
40	HEMBA1004164	F-HEMBA1004164	0.21
	HEMBA1004267	F-HEMBA1004267	0.46
	HEMBA1004323	F-HEMBA1004323	0.37
	HEMBA1004405	F-HEMBA1004405	0.23
45	HEMBA1004433	F-HEMBA1004433	0.51
	HEMBA1004577	F-HEMBA1004577	0.51
	HEMBA1004730	F-HEMBA1004730	0.55
	HEMBA1004778	F-HEMBA1004778	0.47
50	HEMBA1004803	F-HEMBA1004803	0.36
	HEMBA1004807	F-HEMBA1004807	0.48
	HEMBA1004880	F-HEMBA1004880	0.43
	HEMBA1004900	F-HEMBA1004900	0.40
	HEMBA1004909	F-HEMBA1004909	0.24
55	HEMBA1004983	F-HEMBA1004983	0.35

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	HEMBA1005123	F-HEMBA1005123	0.35
	HEMBA1005232	F-HEMBA1005232	0.09
5	HEMBA1005241	F-HEMBA1005241	0.34
	HEMBA1005311	F-HEMBA1005311	0.37
	HEMBA1005318	F-HEMBA1005318	0.59
	HEMBA1005353	F-HEMBA1005353	0.34
	HEMBA1005374	F-HEMBA1005374	0.38
10	HEMBA1005447	F-HEMBA1005447	0.34
	HEMBA1005508	F-HEMBA1005508	0.14
	HEMBA1005577	F-HEMBA1005577	0.22
	HEMBA1005588	F-HEMBA1005588	0.54
15	HEMBA1005593	F-HEMBA1005593	0.44
	HEMBA1005606	F-HEMBA1005606	0.38
	HEMBA1005679	F-HEMBA1005679	0.87
	HEMBA1005894	F-HEMBA1005894	0.46
20	HEMBA1005911	F-HEMBA1005911	0.56
	HEMBA1006036	F-HEMBA1006036	0.87
	HEMBA1006124	F-HEMBA1006124	0.35
	HEMBA1006253	F-HEMBA1006253	0.35
25	HEMBA1006259	F-HEMBA1006259	0.54
	HEMBA1006364	F-HEMBA1006364	0.55
	HEMBA1006380	F-HEMBA1006380	0.48
	HEMBA1006426	F-HEMBA1006426	0.54
30	HEMBA1006461	F-HEMBA1006461	0.20
	HEMBA1006562	F-HEMBA1006562	0.72
	HEMBA1006597	F-HEMBA1006597	0.64
	HEMBA1006639	F-HEMBA1006639	0.55
	HEMBA1006653	F-HEMBA1006653	0.34
35	HEMBA1006695	F-HEMBA1006695	0.16
	HEMBA1006696	F-HEMBA1006696	0.37
	HEMBA1006744	F-HEMBA1006744	0.33
	HEMBA1006824	F-HEMBA1006824	0.37
40	HEMBA1006949	F-HEMBA1006949	0.78
	HEMBA1007078	F-HEMBA1007078	0.44
	HEMBA1007129	F-HEMBA1007129	0.55
	HEMBA1007147	F-HEMBA1007147	0.41
45	HEMBA1007206	F-HEMBA1007206	0.46
	HEMBA1007279	F-HEMBA1007279	0.45
	HEMBA1007327	F-HEMBA1007327	0.71
	HEMBA1000005	F-HEMBA1000005	0.35
50	HEMBA1000054	F-HEMBA1000054	0.18
	HEMBA1000055	F-HEMBA1000055	0.87
	HEMBA1000144	F-HEMBA1000144	0.47
	HEMBA1000258	F-HEMBA1000258	0.87
	HEMBA1000318	F-HEMBA1000318	0.34
55	HEMBA1000335	F-HEMBA1000335	0.48

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	HEM881000336	F-HEM881000336	0.35
	HEM881000354	F-HEM881000354	0.47
5	HEM881000374	F-HEM881000374	0.69
	HEM881000402	F-HEM881000402	0.54
	HEM881000404	F-HEM881000404	0.47
	HEM881000480	F-HEM881000480	0.35
10	HEM881000493	F-HEM881000493	0.33
	HEM881000554	F-HEM881000554	0.46
	HEM881000573	F-HEM881000573	0.34
	HEM881000649	F-HEM881000649	0.41
	HEM881000652	F-HEM881000652	0.46
15	HEM881000709	F-HEM881000709	0.56
	HEM881000749	F-HEM881000749	0.36
	HEM881000790	F-HEM881000790	0.58
	HEM881000827	F-HEM881000827	0.31
20	HEM881000831	F-HEM881000831	0.42
	HEM881000893	F-HEM881000893	0.36
	HEM881001004	F-HEM881001004	0.43
	HEM881001008	F-HEM881001008	0.44
25	HEM881001047	F-HEM881001047	0.47
	HEM881001119	F-HEM881001119	0.25
	HEM881001142	F-HEM881001142	0.15
	HEM881001315	F-HEM881001315	0.72
30	HEM881001317	F-HEM881001317	0.49
	HEM881001326	F-HEM881001326	0.44
	HEM881001337	F-HEM881001337	0.18
	HEM881001367	F-HEM881001367	0.35
	HEM881001424	F-HEM881001424	0.34
35	HEM881001436	F-HEM881001436	0.34
	HEM881001458	F-HEM881001458	0.47
	HEM881001535	F-HEM881001535	0.34
	HEM881001536	F-HEM881001536	0.22
40	HEM881001565	F-HEM881001565	0.35
	HEM881001747	F-HEM881001747	0.40
	HEM881001749	F-HEM881001749	0.39
	HEM881001797	F-HEM881001797	0.79
45	HEM881001836	F-HEM881001836	0.52
	HEM881001863	F-HEM881001863	0.38
	HEM881001868	F-HEM881001868	0.27
	HEM881001875	F-HEM881001875	0.46
50	HEM881001911	F-HEM881001911	0.87
	HEM881001922	F-HEM881001922	0.38
	HEM881001925	F-HEM881001925	0.33
	HEM881001944	F-HEM881001944	0.35
55	HEM881001983	F-HEM881001983	0.32
	HEM881001996	F-HEM881001996	0.39

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	HEM881001997	F-HEM881001997	0.36
	HEM881002045	F-HEM881002045	0.20
	HEM881002092	F-HEM881002092	0.31
5	HEM881002247	F-HEM881002247	0.53
	HEM881002266	F-HEM881002266	0.34
	HEM881002387	F-HEM881002387	0.32
	HEM881002425	F-HEM881002425	0.31
10	HEM881002458	F-HEM881002458	0.44
	HEM881002522	F-HEM881002522	0.56
	HEM881002534	F-HEM881002534	0.43
	HEM881002579	F-HEM881002579	0.21
15	HEM881002582	F-HEM881002582	0.48
	HEM881002596	F-HEM881002596	0.42
	HEM881002617	F-HEM881002617	0.47
	HEM881002702	F-HEM881002702	0.31
20	MAMMA1000043	F-MAMMA1000043	0.45
	MAMMA1000092	F-MAMMA1000092	0.39
	MAMMA1000129	F-MAMMA1000129	0.47
	MAMMA1000175	F-MAMMA1000175	0.18
25	MAMMA1000198	F-MAMMA1000198	0.46
	MAMMA1000221	F-MAMMA1000221	0.43
	MAMMA1000307	F-MAMMA1000307	0.35
	MAMMA1000331	F-MAMMA1000331	0.41
30	MAMMA1000356	F-MAMMA1000356	0.41
	MAMMA1000360	F-MAMMA1000360	0.33
	MAMMA1000402	F-MAMMA1000402	0.35
	MAMMA1000414	F-MAMMA1000414	0.32
	MAMMA1000444	F-MAMMA1000444	0.13
35	MAMMA1000500	F-MAMMA1000500	0.36
	MAMMA1000522	F-MAMMA1000522	0.46
	MAMMA1000576	F-MAMMA1000576	0.58
	MAMMA1000594	F-MAMMA1000594	0.69
40	MAMMA1000597	F-MAMMA1000597	0.35
	MAMMA1000720	F-MAMMA1000720	0.43
	MAMMA1000761	F-MAMMA1000761	0.13
	MAMMA1000775	F-MAMMA1000775	0.35
45	MAMMA1000778	F-MAMMA1000778	0.54
	MAMMA1000798	F-MAMMA1000798	0.40
	MAMMA1000862	F-MAMMA1000862	0.87
	MAMMA1000876	F-MAMMA1000876	0.47
	MAMMA1000883	F-MAMMA1000883	0.41
50	MAMMA1000931	F-MAMMA1000931	0.45
	MAMMA1000940	F-MAMMA1000940	0.35
	MAMMA1000941	F-MAMMA1000941	0.35
	MAMMA1000943	F-MAMMA1000943	0.23
55	MAMMA1000975	F-MAMMA1000975	0.32

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	MAMMA1001038	F-MAMMA1001038	0.41
	MAMMA1001162	F-MAMMA1001162	0.18
	MAMMA1001186	F-MAMMA1001186	0.49
5	MAMMA1001220	F-MAMMA1001220	0.43
	MAMMA1001256	F-MAMMA1001256	0.35
	MAMMA1001274	F-MAMMA1001274	0.57
	MAMMA1001341	F-MAMMA1001341	0.45
10	MAMMA1001397	F-MAMMA1001397	0.64
	MAMMA1001420	F-MAMMA1001420	0.41
	MAMMA1001547	F-MAMMA1001547	0.39
	MAMMA1001590	F-MAMMA1001590	0.46
15	MAMMA1001670	F-MAMMA1001670	0.36
	MAMMA1001679	F-MAMMA1001679	0.46
	MAMMA1001711	F-MAMMA1001711	0.68
	MAMMA1001745	F-MAMMA1001745	0.53
20	MAMMA1001760	F-MAMMA1001760	0.58
	MAMMA1001769	F-MAMMA1001769	0.33
	MAMMA1001815	F-MAMMA1001815	0.43
	MAMMA1001820	F-MAMMA1001820	0.19
25	MAMMA1001907	F-MAMMA1001907	0.38
	MAMMA1002056	F-MAMMA1002056	0.35
	MAMMA1002078	F-MAMMA1002078	0.34
	MAMMA1002093	F-MAMMA1002093	0.55
30	MAMMA1002125	F-MAMMA1002125	0.39
	MAMMA1002132	F-MAMMA1002132	0.57
	MAMMA1002145	F-MAMMA1002145	0.78
	MAMMA1002250	F-MAMMA1002250	0.72
	MAMMA1002311	F-MAMMA1002311	0.58
35	MAMMA1002360	F-MAMMA1002360	0.19
	MAMMA1002411	F-MAMMA1002411	0.40
	MAMMA1002498	F-MAMMA1002498	0.37
	MAMMA1002571	F-MAMMA1002571	0.32
40	MAMMA1002701	F-MAMMA1002701	0.55
	MAMMA1002727	F-MAMMA1002727	0.34
	MAMMA1002728	F-MAMMA1002728	0.55
	MAMMA1002746	F-MAMMA1002746	0.45
45	MAMMA1002764	F-MAMMA1002764	0.44
	MAMMA1002765	F-MAMMA1002765	0.40
	MAMMA1002820	F-MAMMA1002820	0.32
	MAMMA1002830	F-MAMMA1002830	0.36
50	MAMMA1002909	F-MAMMA1002909	0.64
	MAMMA1002941	F-MAMMA1002941	0.42
	MAMMA1002972	F-MAMMA1002972	0.08
	MAMMA1002973	F-MAMMA1002973	0.35
	MAMMA1003004	F-MAMMA1003004	0.42
55	MAMMA1003007	F-MAMMA1003007	0.41

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	MAMMA1003039	F-MAMMA1003039	0.46
	MAMMA1003089	F-MAMMA1003089	0.58
5	NT2RM4000086	F-NT2RM4000086	0.36
	NT2RM4000265	F-NT2RM4000265	0.39
	NT2RM4000366	F-NT2RM4000366	0.21
	NT2RM4000414	F-NT2RM4000414	0.35
	NT2RM4000425	F-NT2RM4000425	0.22
10	NT2RM4000779	F-NT2RM4000779	0.43
	NT2RM4000855	F-NT2RM4000855	0.52
	NT2RM4001160	F-NT2RM4001160	0.36
	NT2RM4001313	F-NT2RM4001313	0.38
15	NT2RM4001437	F-NT2RM4001437	0.53
	NT2RM4001754	F-NT2RM4001754	0.35
	NT2RM4001856	F-NT2RM4001856	0.27
	NT2RM4001953	F-NT2RM4001953	0.59
20	NT2RM4001984	F-NT2RM4001984	0.35
	NT2RM4002390	F-NT2RM4002390	0.24
	NT2RP2000077	F-NT2RP2000077	0.35
	NT2RP2000108	F-NT2RP2000108	0.08
25	NT2RP2000183	F-NT2RP2000183	0.43
	NT2RP2000257	F-NT2RP2000257	0.07
	NT2RP2000289	F-NT2RP2000289	0.35
	NT2RP2000420	F-NT2RP2000420	0.48
30	NT2RP2000678	F-NT2RP2000678	0.55
	NT2RP2000715	F-NT2RP2000715	0.37
	NT2RP2000842	F-NT2RP2000842	0.40
	NT2RP2000970	F-NT2RP2000970	0.46
35	NT2RP2001149	F-NT2RP2001149	0.31
	NT2RP2001226	F-NT2RP2001226	0.44
	NT2RP2001295	F-NT2RP2001295	0.40
	NT2RP2001347	F-NT2RP2001347	0.41
	NT2RP2001467	F-NT2RP2001467	0.44
40	NT2RP2001506	F-NT2RP2001506	0.17
	NT2RP2001569	F-NT2RP2001569	0.31
	NT2RP2001663	F-NT2RP2001663	0.37
	NT2RP2001936	F-NT2RP2001936	0.33
45	NT2RP2002041	F-NT2RP2002041	0.31
	NT2RP2002047	F-NT2RP2002047	0.15
	NT2RP2002066	F-NT2RP2002066	0.11
	NT2RP2002172	F-NT2RP2002172	0.32
50	NT2RP2002219	F-NT2RP2002219	0.54
	NT2RP2002316	F-NT2RP2002316	0.39
	NT2RP2002475	F-NT2RP2002475	0.09
	NT2RP2002546	F-NT2RP2002546	0.33
55	NT2RP2002591	F-NT2RP2002591	0.38
	NT2RP2002643	F-NT2RP2002643	0.55

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	NT2RP2002741	F-NT2RP2002741	0.73
	NT2RP2002750	F-NT2RP2002750	0.48
5	NT2RP2002778	F-NT2RP2002778	0.41
	NT2RP2002857	F-NT2RP2002857	0.34
	NT2RP2003000	F-NT2RP2003000	0.56
	NT2RP2003073	F-NT2RP2003073	0.36
10	NT2RP2003237	F-NT2RP2003237	0.69
	NT2RP2003394	F-NT2RP2003394	0.34
	NT2RP2003517	F-NT2RP2003517	0.44
	NT2RP2003668	F-NT2RP2003668	0.46
15	NT2RP2003988	F-NT2RP2003988	0.55
	NT2RP2004232	F-NT2RP2004232	0.34
	NT2RP2004400	F-NT2RP2004400	0.18
	NT2RP2004512	F-NT2RP2004512	0.11
	NT2RP2004523	F-NT2RP2004523	0.72
20	NT2RP2004587	F-NT2RP2004587	0.09
	NT2RP2004736	F-NT2RP2004736	0.70
	NT2RP2004767	F-NT2RP2004767	0.54
	NT2RP2004775	F-NT2RP2004775	0.53
25	NT2RP2004961	F-NT2RP2004961	0.49
	NT2RP2004962	F-NT2RP2004962	0.87
	NT2RP2004982	F-NT2RP2004982	0.32
	NT2RP2005289	F-NT2RP2005289	0.24
30	NT2RP2005407	F-NT2RP2005407	0.33
	NT2RP2005531	F-NT2RP2005531	0.20
	NT2RP2005694	F-NT2RP2005694	0.21
	NT2RP2005726	F-NT2RP2005726	0.42
	NT2RP2005942	F-NT2RP2005942	0.10
35	NT2RP2006258	F-NT2RP2006258	0.37
	NT2RP2006261	F-NT2RP2006261	0.42
	NT2RP2006454	F-NT2RP2006454	0.46
	NT2RP2006554	F-NT2RP2006554	0.14
40	NT2RP3000055	F-NT2RP3000055	0.31
	NT2RP3000233	F-NT2RP3000233	0.54
	NT2RP3000341	F-NT2RP3000341	0.43
	NT2RP3000418	F-NT2RP3000418	0.53
45	NT2RP3000451	F-NT2RP3000451	0.46
	NT2RP3000561	F-NT2RP3000561	0.47
	NT2RP3000582	F-NT2RP3000582	0.44
	NT2RP3001007	F-NT2RP3001007	0.26
50	NT2RP3001281	F-NT2RP3001281	0.36
	NT2RP3001318	F-NT2RP3001318	0.21
	NT2RP3001339	F-NT2RP3001339	0.58
	NT2RP3001340	F-NT2RP3001340	0.41
	NT2RP3001383	F-NT2RP3001383	0.36
55	NT2RP3001432	F-NT2RP3001432	0.34

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	NT2RP3001580	F-NT2RP3001580	0.45
	NT2RP3001589	F-NT2RP3001589	0.48
	NT2RP3001898	F-NT2RP3001898	0.19
5	NT2RP3002004	F-NT2RP3002004	0.36
	NT2RP3002173	F-NT2RP3002173	0.39
	NT2RP3003133	F-NT2RP3003133	0.35
	NT2RP3003264	F-NT2RP3003264	0.13
10	NT2RP3003346	F-NT2RP3003346	0.72
	NT2RP3003403	F-NT2RP3003403	0.45
	NT2RP3003433	F-NT2RP3003433	0.24
	NT2RP3003576	F-NT2RP3003576	0.35
15	NT2RP3003625	F-NT2RP3003625	0.43
	NT2RP3003665	F-NT2RP3003665	0.32
	NT2RP3003800	F-NT2RP3003800	0.34
	NT2RP3003828	F-NT2RP3003828	0.52
20	NT2RP3003842	F-NT2RP3003842	0.23
	NT2RP3004070	F-NT2RP3004070	0.32
	NT2RP3004470	F-NT2RP3004470	0.46
	NT2RP4000023	F-NT2RP4000023	0.33
25	NT2RP4000035	F-NT2RP4000035	0.56
	NT2RP4000102	F-NT2RP4000102	0.38
	NT2RP4000167	F-NT2RP4000167	0.42
	NT2RP4000214	F-NT2RP4000214	0.33
	NT2RP4000218	F-NT2RP4000218	0.37
30	NT2RP4000424	F-NT2RP4000424	0.48
	NT2RP4000915	F-NT2RP4000915	0.37
	NT2RP4002075	F-NT2RP4002075	0.43
	OVARC1000017	F-OVARC1000017	0.14
35	OVARC1000068	F-OVARC1000068	0.17
	OVARC1000085	F-OVARC1000085	0.46
	OVARC1000092	F-OVARC1000092	0.58
	OVARC1000145	F-OVARC1000145	0.53
40	OVARC1000414	F-OVARC1000414	0.40
	OVARC1000486	F-OVARC1000486	0.15
	OVARC1000496	F-OVARC1000496	0.36
	OVARC1000526	F-OVARC1000526	0.33
45	OVARC1000948	F-OVARC1000948	0.71
	OVARC1001011	F-OVARC1001011	0.42
	OVARC1001240	F-OVARC1001240	0.14
	OVARC1001600	F-OVARC1001600	0.37
50	OVARC1001805	F-OVARC1001805	0.51
	OVARC1001813	F-OVARC1001813	0.58
	OVARC1001846	F-OVARC1001846	0.59
	PLACE1000540	F-PLACE1000540	0.35
	PLACE1000599	F-PLACE1000599	0.37
55	PLACE1001088	F-PLACE1001088	0.36

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	PLACE1001323	F-PLACE1001323	0. 21
	PLACE1001377	F-PLACE1001377	0. 41
	PLACE1001440	F-PLACE1001440	0. 45
5	PLACE1001517	F-PLACE1001517	0. 41
	PLACE1001672	F-PLACE1001672	0. 35
	PLACE1001705	F-PLACE1001705	0. 11
	PLACE1001756	F-PLACE1001756	0. 67
10	PLACE1002157	F-PLACE1002157	0. 68
	PLACE1002205	F-PLACE1002205	0. 55
	PLACE1002227	F-PLACE1002227	0. 14
	PLACE1002259	F-PLACE1002259	0. 47
15	PLACE1002319	F-PLACE1002319	0. 29
	PLACE1002399	F-PLACE1002399	0. 31
	PLACE1002477	F-PLACE1002477	0. 35
	PLACE1002500	F-PLACE1002500	0. 26
20	PLACE1002583	F-PLACE1002583	0. 49
	PLACE1002604	F-PLACE1002604	0. 25
	PLACE1002772	F-PLACE1002772	0. 13
	PLACE1002853	F-PLACE1002853	0. 46
25	PLACE1002968	F-PLACE1002968	0. 33
	PLACE1003238	F-PLACE1003238	0. 46
	PLACE1003420	F-PLACE1003420	0. 42
	PLACE1003478	F-PLACE1003478	0. 20
	PLACE1003566	F-PLACE1003566	0. 35
30	PLACE1003593	F-PLACE1003593	0. 42
	PLACE1003618	F-PLACE1003618	0. 36
	PLACE1004274	F-PLACE1004274	0. 41
	PLACE1004681	F-PLACE1004681	0. 25
35	PLACE1004716	F-PLACE1004716	0. 49
	PLACE1004773	F-PLACE1004773	0. 31
	PLACE1004815	F-PLACE1004815	0. 72
	PLACE1004836	F-PLACE1004836	0. 39
40	PLACE1004913	F-PLACE1004913	0. 44
	PLACE1004979	F-PLACE1004979	0. 44
	PLACE1005052	F-PLACE1005052	0. 63
	PLACE1005086	F-PLACE1005086	0. 57
45	PLACE1005108	F-PLACE1005108	0. 17
	PLACE1005128	F-PLACE1005128	0. 40
	PLACE1005176	F-PLACE1005176	0. 48
	PLACE1005467	F-PLACE1005467	0. 37
	PLACE1005639	F-PLACE1005639	0. 33
50	PLACE1005850	F-PLACE1005850	0. 54
	PLACE1005932	F-PLACE1005932	0. 20
	PLACE1006003	F-PLACE1006003	0. 71
	PLACE1006017	F-PLACE1006017	0. 42
55	PLACE1006288	F-PLACE1006288	0. 34

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	PLACE1006318	F-PLACE1006318	0.22
	PLACE1006368	F-PLACE1006368	0.10
	PLACE1006371	F-PLACE1006371	0.43
5	PLACE1006506	F-PLACE1006506	0.28
	PLACE1006629	F-PLACE1006629	0.44
	PLACE1006795	F-PLACE1006795	0.35
	PLACE1006904	F-PLACE1006904	0.20
10	PLACE1007478	F-PLACE1007478	0.70
	PLACE1007557	F-PLACE1007557	0.17
	PLACE1007743	F-PLACE1007743	0.28
	PLACE1007829	F-PLACE1007829	0.16
15	PLACE1007877	F-PLACE1007877	0.16
	PLACE1008181	F-PLACE1008181	0.39
	PLACE1008330	F-PLACE1008330	0.86
	PLACE1008584	F-PLACE1008584	0.61
20	PLACE1008630	F-PLACE1008630	0.09
	PLACE1008715	F-PLACE1008715	0.36
	PLACE1008851	F-PLACE1008851	0.39
	PLACE1008941	F-PLACE1008941	0.42
25	PLACE1009039	F-PLACE1009039	0.43
	PLACE1009048	F-PLACE1009048	0.24
	PLACE1009493	F-PLACE1009493	0.35
	PLACE1009539	F-PLACE1009539	0.31
	PLACE1009637	F-PLACE1009637	0.58
30	PLACE1009925	F-PLACE1009925	0.17
	PLACE1009947	F-PLACE1009947	0.42
	PLACE1010231	F-PLACE1010231	0.36
	PLACE1010562	F-PLACE1010562	0.63
35	PLACE1010579	F-PLACE1010579	0.42
	PLACE1010739	F-PLACE1010739	0.49
	PLACE1010802	F-PLACE1010802	0.41
	PLACE1010896	F-PLACE1010896	0.47
40	PLACE1011032	F-PLACE1011032	0.46
	PLACE1011109	F-PLACE1011109	0.19
	PLACE1011185	F-PLACE1011185	0.66
	PLACE1011452	F-PLACE1011452	0.72
45	PLACE1011465	F-PLACE1011465	0.51
	PLACE1011492	F-PLACE1011492	0.19
	PLACE1011520	F-PLACE1011520	0.54
	PLACE1011567	F-PLACE1011567	0.51
	PLACE1011643	F-PLACE1011643	0.21
50	PLACE1011719	F-PLACE1011719	0.55
	PLACE1011749	F-PLACE1011749	0.24
	PLACE2000011	F-PLACE2000011	0.48
	PLACE2000017	F-PLACE2000017	0.34
55	PLACE2000061	F-PLACE2000061	0.34

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	PLACE2000187	F-PLACE2000187	0. 40
	PLACE2000216	F-PLACE2000216	0. 32
5	PLACE2000335	F-PLACE2000335	0. 78
	PLACE2000347	F-PLACE2000347	0. 36
	PLACE2000366	F-PLACE2000366	0. 33
	PLACE2000394	F-PLACE2000394	0. 54
10	PLACE2000398	F-PLACE2000398	0. 44
	PLACE2000425	F-PLACE2000425	0. 47
	PLACE2000450	F-PLACE2000450	0. 53
	PLACE2000477	F-PLACE2000477	0. 36
15	PLACE3000119	F-PLACE3000119	0. 40
	PLACE3000207	F-PLACE3000207	0. 32
	PLACE3000230	F-PLACE3000230	0. 51
	PLACE3000271	F-PLACE3000271	0. 41
	PLACE3000373	F-PLACE3000373	0. 37
20	PLACE3000399	F-PLACE3000399	0. 42
	PLACE3000401	F-PLACE3000401	0. 37
	PLACE3000406	F-PLACE3000406	0. 46
	PLACE4000247	F-PLACE4000247	0. 64
25	PLACE4000320	F-PLACE4000320	0. 36
	PLACE4000344	F-PLACE4000344	0. 31
	PLACE4000367	F-PLACE4000367	0. 32
	PLACE4000401	F-PLACE4000401	0. 54
	PLACE4000548	F-PLACE4000548	0. 26
30	THYR01000111	F-THYR01000111	0. 53
	THYR01000129	F-THYR01000129	0. 45
	THYR01000187	F-THYR01000187	0. 46
	THYR01000279	F-THYR01000279	0. 09
35	THYR01000484	F-THYR01000484	0. 36
	THYR01000596	F-THYR01000596	0. 47
	THYR01000625	F-THYR01000625	0. 59
	THYR01000793	F-THYR01000793	0. 17
40	THYR01000815	F-THYR01000815	0. 58
	THYR01000865	F-THYR01000865	0. 55
	THYR01001003	F-THYR01001003	0. 34
	THYR01001031	F-THYR01001031	0. 43
45	THYR01001133	F-THYR01001133	0. 52
	THYR01001321	F-THYR01001321	0. 37
	THYR01001401	F-THYR01001401	0. 36
	THYR01001426	F-THYR01001426	0. 32
50	THYR01001434	F-THYR01001434	0. 39
	THYR01001559	F-THYR01001559	0. 45
	THYR01001570	F-THYR01001570	0. 35
	THYR01001706	F-THYR01001706	0. 45
	THYR01001746	F-THYR01001746	0. 43
55	THYR01001772	F-THYR01001772	0. 37

	THYR01001907	F-THYR01001907	0.33
	Y79AA1000033	F-Y79AA1000033	0.53
5	Y79AA1000346	F-Y79AA1000346	0.53
	Y79AA1000410	F-Y79AA1000410	0.13
	Y79AA1000805	F-Y79AA1000805	0.32
	Y79AA1001692	F-Y79AA1001692	0.45
10	Y79AA1002103	F-Y79AA1002103	0.15
	Y79AA1002220	F-Y79AA1002220	0.49

15 EXAMPLE 13

Full-length sequence analysis and homology search

20 [0192] Full-length sequence was determined for each selected cDNA clones. The nucleotide sequence determination was performed mainly by the dye-terminator method using custom synthesized DNA primers according to the primer walking procedure (custom synthesized DNA primers were used for sequencing; sequencing reaction was performed with DNA sequencing reagent supplied by PE Biosystems according to the supplier's manual; and the samples were analyzed in an automatic sequencer made by the same supplier). Sequence determination of some clones was carried out in the same manner but using a Licor DNA sequencer. Overlapping partial nucleotide sequences, which were
25 obtained by the above-described method, were assembled together to determine a full-length nucleotide sequence. Amino acid sequences were then deduced from the determined full-length nucleotide sequences. However, amino acid sequence is not shown for a clone of which coding region was hard to be deduced or of which amino acid sequence has less than 100 amino acid residues. SEQ ID NOs corresponding to the respective clones are indicated in Table 350 and Table 351.

30 [0193] GenBank, Swiss-Prot and UniGene were searched for the determined nucleotide sequences by BLAST analysis. Matching data of cDNA clone which exhibits higher homology and of which functions are easily predicted based on the nucleotide sequences and the deduced amino acid sequences are selected from the BLAST analysis matching data with P value of 10^{-4} or less. The matching data selected are listed herein. The results of homology search 6, 12, 13, and 14 are indicated in the last part of this specification. However, there are some clones that did not match the
35 criteria for judgment and such matching data of BLAST analysis are not shown herein.

EXAMPLE 14

Novel full-length cDNA clone obtained from a cDNA library prepared by oligo-capping method

40 [0194] A cDNA clone, NT2RP4002298, was obtained from a cDNA library, NT2RP4 (see Example 1), prepared by oligo-capping method. Analysis of the entire nucleotide sequence of the clone has revealed that the clone encodes a novel protein consisting of 775 amino acids. The ATGpr1 score at the initiation codon of the amino acid sequence is 0.16, and therefore, the fullness ratio is low. However, the sequence can be full-length.

45 [0195] The full-length nucleotide sequence of NT2RP4002298 is shown in SEQ ID NO: 12370, and the deduced amino acid sequence encoded by the clone NT2RP4002298 is shown in SEQ ID NO: 12371.

EXAMPLE 15

50 Gene expression analysis with hybridization using high density DNA filter

[0196] Nylon membrane for DNA spotting was prepared according to the following procedure. E. coli was cultured in each well of a 96-well plate (in a LB medium at 37°C for 16 hours). A small aliquot of each culture was suspended in 10 µl of sterile water in a well of a 96-well plate. The plate was heated at 100°C for 10 minutes. Then the boiled
55 samples were analyzed by PCR reaction. PCR was performed in a 20 µl solution by using TaKaRa PCR Amplification Kit (Takara) according to the supplier's protocol. Primers used for the amplification of an insert cDNA in a plasmid were a pair of sequencing primers, ME761FW (5' tacggaagtgtactctgc 3' / SEQ ID NO: 13290) and ME1250RV (5' tgtgggaggtttttctcta 3' / SEQ ID NO: 13291), or a pair of primers, M13M4 (5' gtttccagtcacgac 3' / SEQ ID NO: 13292)

and M13RV (5' caggaaacagctatgac 3' / SEQ ID NO: 13293). PCR reaction was performed in a thermal cycler, GeneAmp System 9600 (PE Biosystems). The cycling profile consisted of pre-heat at 95°C for 5 minutes; 10 cycles of denaturation at 95°C for 10 seconds, and annealing/extension at 68°C for 1 minute; 20 cycles of denaturation at 98°C for 20 seconds and annealing/extension at 60°C for 3 minutes; and final extension at 72°C for 10 minutes. After the PCR reaction, the 20 µl reaction solution was loaded onto a 1 % agarose gel and fractionated by electrophoresis. DNA on the gel was stained with ethidium bromide to confirm the amplification of cDNA. When cDNAs were barely amplified by PCR, plasmids containing the corresponding insert cDNAs were prepared by the alkali-extraction method (J. Sambrook, E. F., Fritsh, & T. Maniatis, "Molecular Cloning, A laboratory manual/ 2nd edition, Cold Spring Harbor Laboratory Press, 1989).

[0197] Preparation of DNA array was carried out by the following procedure. An Aliquot of a DNA solution was added in each well of a 384-well plate. DNA was spotted onto a nylon membrane (Boehringer) by using a 384-pin tool of Biomek 2000 Laboratory Automation Sysytem (Beckman-Coulter). Specifically, the 384-well plate containing the DNA was placed under the 384-pin tool. The independent 384 needles were simultaneously dipped into the DNA solution for DNA deposition. The needles were gently pressed onto a nylon membrane and the DNA deposited at the tips of needles was spotted onto the membrane. Denaturation of the spotted DNA and immobilization of the DNA on the nylon membrane were carried out according to usual manners (J. Sambrook, E.F., Fritsh, & T. Maniatis, "Molecular Cloning, A laboratory manual/ 2nd edition, Cold Spring Harbor Laboratory Press, 1989).

[0198] Hybridization probe used was radioisotope-labeled 1st strand cDNA. The 1st strand cDNA synthesis was performed by using ThermoscriptTM RT-PCR System (GIBCO). Specifically, the 1st strand cDNA was synthesized by using 1.5 µg mRNAs from various human tissues (Clontech), 1 µl aliquots of 50 µM Oligo(dT)20 and 50 µCi [α ³²P] dATP according to an attached protocol. Probe purification was carried out by using ProbeQuantTM G-50 micro column (Amersham-Pharmacia Biotech) according to an attached protocol. In the next step, 2 units of E. coli RNaseH were added to the reaction mixture. The mixture was incubated at room temperature for 10 minutes and then 100 µg of human COT-1 DNA (GIBCO) was added thereto. The mixture was incubated at 97°C for 10 minutes and then was allowed to stand on ice to give hybridization probe.

[0199] Hybridization of the radioisotope-labeled probe to the DNA array was performed in a usual manner (J. Sambrook, E.F., Fritsh, & T. Maniatis, Molecular Cloning, A laboratory manual/ 2nd edition, Cold Spring Harbor Laboratory Press, 1989). The membrane was washed as follows: the nylon membrane was incubated in Washing solution 1 (2 × SSC, 1% SDS) at room temperature (about 26°C) for 20 minutes and this washing was repeated 3 times; then the membrane was washed 3 times by incubating it in Washing solution 2 (0.1 × SSC, 1% SDS) at 65°C for 20 minutes. Autoradiography was performed by using an image plate for BAS2000 (Fuji Photo Film Co., Ltd.). Specifically, the nylon membrane with probe hybridized thereon was wrapped with a piece of Saran Wrap and brought into tight contact with the image plate on the light-sensitive surface. The membrane with the image plate was placed in an imaging cassette for radioisotope and allowed to stand in dark place for 4 hours. The radioactivity recorded on the image plate was analyzed by using BAS2000 (Fuji Photo Film Co., Ltd.). The activity was subjected to electronic conversion and recorded as an image file of autoradiogram. The signal intensity of each DNA spot was analyzed by using Visage High Density Grid Analysis Systems (Genomic Solutions Inc.). The signal intensity was converted into numerical data. The data were taken by duplicated measurements. The reproducibility was assessed by comparing the signal intensities of the corresponding spots on the duplicated DNA filters that were hybridized to a single DNA probe (Figure 2). The ratio between the corresponding spots falls within a range of 2 or less in 95% of entire spots and the correlation coefficient is $r=0.97$. Thus the reproducibility is assumed to be satisfactory.

[0200] The detection sensitivity in gene expression analysis was estimated by examining increases in the signal intensity of probe concentration-dependent spot in hybridization using a probe complementary to the DNA spotted on the nylon membrane. DNA used was PLACE1008092 (same as DNA deposited in GenBank under an Accession No. AF107253). The DNA array with DNA of PLACE1008092 was prepared according to the above-mentioned method. The probe used was prepared as follows: mRNA was synthesized in vitro from the clone, PLACE1008092. By using this mRNA as a template, radioisotope-labeled 1st strand cDNA was synthesized in the same manner as described above, and the cDNA was used as the probe. The cDNA PLACE1008092 was inserted into pBluescript SK(-), of which T7 promoter was ligated to the 5' end of the cDNA, to give a plasmid for in vitro synthesis of the mRNA from PLACE1008092. Specifically, the PLACE1008092 insert was cut out from pME18SFL3 carrying the cDNA at a DraIII site thereof by XhoI digestion. The resulting PLACE1008092 fragment was ligated to XhoI-predigested pBluescript SK (-) by using DNA ligation kit ver.2 (Takara). The in-vitro mRNA synthesis from PLACE1008092 inserted in pBluescript SK(-) was carried out by using AmpliscribeTM T7 high yield transcription kit (Epicentre technologies). Hybridization and the analysis of signal intensity of each DNA spot were conducted by the same methods as described above. When the probe concentration is 1×10^7 µg/ml or less, there was no increase of signal intensity proportional to the probe concentration. Therefore it was assumed to be difficult to compare the signals with one another in the concentration range. Thus the spots with the intensity of 40 or less were indiscriminately taken as low-level signals (Figure 3). Within a concentration of the probe ranging from 1×10^7 µg/ml to 0.1 µg/ml, the signal was found to increase in a probe

concentration-dependent manner. The detection limit was then assumed to be 1:100,000 in a ratio of mRNA expression level in a sample.

[0201] Tables 12-168 (also containing clones with no description in Examples) show the expression of each cDNA in human normal tissues (heart, lung, pituitary gland, thymus, brain, kidney, liver and spleen). The expression levels are indicated by numerical values of 0-10,000. Genes that were expressed in at least a single tissue are indicated below by the corresponding clone names:

HEMBA1000012,	HEMBA1000020,	HEMBA1000030,	HEMBA1000042,	HEMBA1000046,
HEMBA1000076,	HEMBA1000111,	HEMBA1000129,	HEMBA1000150,	HEMBA1000156,
HEMBA1000158,	HEMBA1000168,	HEMBA1000185,	HEMBA1000216,	HEMBA1000227,
HEMBA1000231,	HEMBA1000243,	HEMBA1000244,	HEMBA1000280,	HEMBA1000282,
HEMBA1000288,	HEMBA1000303,	HEMBA1000304,	HEMBA1000327,	HEMBA1000338,
HEMBA1000351,	HEMBA1000355,	HEMBA1000356,	HEMBA1000357,	HEMBA1000366,
HEMBA1000369,	HEMBA1000376,	HEMBA1000387,	HEMBA1000392,	HEMBA1000396,
HEMBA1000411,	HEMBA1000422,	HEMBA1000428,	HEMBA1000456,	HEMBA1000459,
HEMBA1000469,	HEMBA1000488,	HEMBA1000491,	HEMBA1000501,	HEMBA1000505,
HEMBA1000508,	HEMBA1000519,	HEMBA1000523,	HEMBA1000534,	HEMBA1000540,
HEMBA1000542,	HEMBA1000545,	HEMBA1000557,	HEMBA1000561,	HEMBA1000568,
HEMBA1000569,	HEMBA1000575,	HEMBA1000588,	HEMBA1000591,	HEMBA1000604,

	HEMBA1000622,	HEMBA1000636,	HEMBA1000655,	HEMBA1000657,	HEMBA1000673,
	HEMBA1000682,	HEMBA1000702,	HEMBA1000705,	HEMBA1000726,	HEMBA1000749,
	HEMBA1000752,	HEMBA1000769,	HEMBA1000774,	HEMBA1000791,	HEMBA1000827,
5	HEMBA1000843,	HEMBA1000852,	HEMBA1000870,	HEMBA1000872,	HEMBA1000876,
	HEMBA1000908,	HEMBA1000910,	HEMBA1000918,	HEMBA1000919,	HEMBA1000934,
	HEMBA1000942,	HEMBA1000960,	HEMBA1000971,	HEMBA1000972,	HEMBA1000975,
	HEMBA1000986,	HEMBA1000991,	HEMBA1001007,	HEMBA1001008,	HEMBA1001017,
10	HEMBA1001020,	HEMBA1001051,	HEMBA1001059,	HEMBA1001060,	HEMBA1001077,
	HEMBA1001080,	HEMBA1001085,	HEMBA1001088,	HEMBA1001109,	HEMBA1001121,
	HEMBA1001123,	HEMBA1001133,	HEMBA1001137,	HEMBA1001140,	HEMBA1001172,
	HEMBA1001197,	HEMBA1001208,	HEMBA1001213,	HEMBA1001226,	HEMBA1001235,
15	HEMBA1001265,	HEMBA1001281,	HEMBA1001286,	HEMBA1001289,	HEMBA1001294,
	HEMBA1001299,	HEMBA1001302,	HEMBA1001303,	HEMBA1001310,	HEMBA1001326,
	HEMBA1001330,	HEMBA1001351,,	HEMBA1001375,	HEMBA1001377,	HEMBA1001387,
	HEMBA1001388,	HEMBA1001398,	HEMBA1001405,	HEMBA1001413,	HEMBA1001415,
20	HEMBA1001432,	HEMBA1001433,	HEMBA1001435,	HEMBA1001446,	HEMBA1001450,
	HEMBA1001454,	HEMBA1001463,	HEMBA1001476,	HEMBA1001497,	HEMBA1001510,
	HEMBA1001515,	HEMBA1001517,	HEMBA1001526,	HEMBA1001533,	HEMBA1001557,
	HEMBA1001566,	HEMBA1001569,	HEMBA1001570,	HEMBA1001579,	HEMBA1001581,
25	HEMBA1001589,	HEMBA1001595,	HEMBA1001608,	HEMBA1001620,	HEMBA1001636,
	HEMBA1001640,	HEMBA1001647,	HEMBA1001651,	HEMBA1001655,	HEMBA1001661,
	HEMBA1001678,	HEMBA1001709,	HEMBA1001712,	HEMBA1001714,	HEMBA1001718,
	HEMBA1001731,	HEMBA1001734,	HEMBA1001745,	HEMBA1001761,	HEMBA1001781,
30	HEMBA1001784,	HEMBA1001791,	HEMBA1001804,	HEMBA1001808,	HEMBA1001809,
	HEMBA1001815,	HEMBA1001822,	HEMBA1001824,	HEMBA1001844,	HEMBA1001847,
	HEMBA1001864,	HEMBA1001866,	HEMBA1001869,	HEMBA1001888,	HEMBA1001896,
	HEMBA1001910,	HEMBA1001912,	HEMBA1001913,	HEMBA1001939,	HEMBA1001940,
	HEMBA1001964,	HEMBA1001967,	HEMBA1001987,	HEMBA1001991,	HEMBA1002003,
35	HEMBA1002008,	HEMBA1002018,	HEMBA1002035,	HEMBA1002049,	HEMBA1002092,
	HEMBA1002100,	HEMBA1002102,	HEMBA1002113,	HEMBA1002119,	HEMBA1002125,
	HEMBA1002144,	HEMBA1002150,	HEMBA1002151,	HEMBA1002160,	HEMBA1002161,
	HEMBA1002162,	HEMBA1002166,	HEMBA1002177,	HEMBA1002185,	HEMBA1002189,
40	HEMBA1002191,	HEMBA1002226,	HEMBA1002229,	HEMBA1002237,	HEMBA1002241,
	HEMBA1002265,	HEMBA1002267,	HEMBA1002270,	HEMBA1002328,	HEMBA1002337,
	HEMBA1002341,	HEMBA1002363,	HEMBA1002381,	HEMBA1002389,	HEMBA1002417,
	HEMBA1002419,	HEMBA1002439,	HEMBA1002458,	HEMBA1002462,	HEMBA1002469,
45	HEMBA1002477,	HEMBA1002486,	HEMBA1002495,	HEMBA1002498,	HEMBA1002503,
	HEMBA1002508,	HEMBA1002513,	HEMBA1002515,	HEMBA1002538,	HEMBA1002542,
	HEMBA1002552,	HEMBA1002558,	HEMBA1002561,	HEMBA1002569,	HEMBA1002590,
	HEMBA1002592,	HEMBA1002609,	HEMBA1002624,	HEMBA1002629,	HEMBA1002645,
50	HEMBA1002659,	HEMBA1002661,	HEMBA1002678,	HEMBA1002679,	HEMBA1002696,
	HEMBA1002703,	HEMBA1002712,	HEMBA1002728,	HEMBA1002730,	HEMBA1002746,
	HEMBA1002748,	HEMBA1002750,	HEMBA1002768,	HEMBA1002777,	HEMBA1002779,
	HEMBA1002780,	HEMBA1002794,	HEMBA1002810,	HEMBA1002816,	HEMBA1002818,
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20	PLACE2000342,	PLACE2000347,	PLACE2000359,	PLACE2000366,	PLACE2000373,
	PLACE2000394,	PLACE2000398,	PLACE2000399,	PLACE2000404,	PLACE2000411,
	PLACE2000419,	PLACE2000425,	PLACE2000427,	PLACE2000433,	PLACE2000435,
	PLACE2000438,	PLACE2000450,	PLACE2000455,	PLACE2000458,	PLACE2000465,
	PLACE3000004,	PLACE3000009,	PLACE3000020,	PLACE3000029,	PLACE3000070,
25	PLACE3000103,	PLACE3000119,	PLACE3000124,	PLACE3000136,	PLACE3000142,
	PLACE3000145,	PLACE3000147,	PLACE3000148,	PLACE3000155,	PLACE3000156,
	PLACE3000157,	PLACE3000158,	PLACE3000169,	PLACE3000194,	PLACE3000197,
	PLACE3000207,	PLACE3000208,	PLACE3000220,	PLACE3000221,	PLACE3000226,
30	PLACE3000230,	PLACE3000242,	PLACE3000254,	PLACE3000271,	PLACE3000276,
	PLACE3000304,	PLACE3000322,	PLACE3000331,	PLACE3000341,	PLACE3000352,
	PLACE3000353,	PLACE3000362,	PLACE3000363,	PLACE3000365,	PLACE3000388,
	PLACE3000399,	PLACE3000400,	PLACE3000401,	PLACE3000402,	PLACE3000405,
35	PLACE3000406,	PLACE3000413,	PLACE3000416,	PLACE3000425,	PLACE3000455,
	PLACE3000475,	PLACE3000477,	PLACE4000009,	PLACE4000014,	PLACE4000034,
	PLACE4000049,	PLACE4000052,	PLACE4000063,	PLACE4000100,	PLACE4000106,
	PLACE4000128,	PLACE4000129,	PLACE4000131,	PLACE4000156,	PLACE4000192,
40	PLACE4000211,	PLACE4000222,	PLACE4000230,	PLACE4000233,	PLACE4000247,
	PLACE4000250,	PLACE4000259,	PLACE4000261,	PLACE4000269,	PLACE4000300,
	PLACE4000320,	PLACE4000323,	PLACE4000326,	PLACE4000344,	PLACE4000369,
	PLACE4000379,	PLACE4000387,	PLACE4000411,	PLACE4000431,	PLACE4000445,
	PLACE4000450,	PLACE4000465,	PLACE4000487,	PLACE4000489,	PLACE4000494,
45	PLACE4000521,	PLACE4000522,	PLACE4000548,	PLACE4000581,	PLACE4000593,
	PLACE4000612,	PLACE4000638,	PLACE4000650,	THYRO1000017,	THYRO1000026,
	THYRO1000034,	THYRO1000040,	THYRO1000070,	THYRO1000072,	THYRO1000085,
	THYRO1000092,	THYRO1000107,	THYRO1000132,	THYRO1000163,	THYRO1000173,
50	THYRO1000186,	THYRO1000187,	THYRO1000190,	THYRO1000197,	THYRO1000206,
	THYRO1000221,	THYRO1000241,	THYRO1000253,	THYRO1000320,	THYRO1000343,
	THYRO1000358,	THYRO1000368,	THYRO1000387,	THYRO1000394,	THYRO1000395,
	THYRO1000401,	THYRO1000452,	THYRO1000471,	THYRO1000484,	THYRO1000558,
55	THYRO1000569,	THYRO1000585,	THYRO1000602,	THYRO1000625,	THYRO1000637,

	THYRO1000658,	THYRO1000666,	THYRO1000676,	THYRO1000684,	THYRO1000699,
	THYRO1000712,	THYRO1000715,	THYRO1000748,	THYRO1000756,	THYRO1000787,
5	THYRO1000815,	THYRO1000843,	THYRO1000855,	THYRO1000865,	THYRO1000916,
	THYRO1000926,	THYRO1000951,	THYRO1000974,	THYRO1000975,	THYRO1000983,
	THYRO1000984,	THYRO1000988,	THYRO1001003,	THYRO1001031,	THYRO1001062,
	THYRO1001093,	THYRO1001120,	THYRO1001121,	THYRO1001133,	THYRO1001173,
10	THYRO1001177,	THYRO1001189,	THYRO1001213,	THYRO1001287,	THYRO1001313,
	THYRO1001320,	THYRO1001321,	THYRO1001322,	THYRO1001363,	THYRO1001365,
	THYRO1001374,	THYRO1001401,	THYRO1001403,	THYRO1001405,	THYRO1001406,
	THYRO1001411,	THYRO1001426,	THYRO1001434,	THYRO1001458,	THYRO1001480,
15	THYRO1001487,	THYRO1001534,	THYRO1001537,	THYRO1001541,	THYRO1001570,
	THYRO1001573,	THYRO1001584,	THYRO1001595,	THYRO1001602,	THYRO1001605,
	THYRO1001617,	THYRO1001637,	THYRO1001656,	THYRO1001671,	THYRO1001673,
	THYRO1001703,	THYRO1001706,	THYRO1001738,	THYRO1001746,	THYRO1001772,
20	THYRO1001793,	THYRO1001809,	THYRO1001828,	THYRO1001854,	THYRO1001895,
	THYRO1001907,	VESEN1000122,	Y79AA1000013,	Y79AA1000033,	Y79AA1000037,
	Y79AA1000059,	Y79AA1000065,	Y79AA1000131,	Y79AA1000181,	Y79AA1000202,
	Y79AA1000214,	Y79AA1000230,	Y79AA1000231,	Y79AA1000258,	Y79AA1000268,
25	Y79AA1000313,	Y79AA1000342,	Y79AA1000346,	Y79AA1000349,	Y79AA1000355,
	Y79AA1000368,	Y79AA1000405,	Y79AA1000410,	Y79AA1000469,	Y79AA1000480,
	Y79AA1000538,	Y79AA1000539,	Y79AA1000540,	Y79AA1000560,	Y79AA1000574,
	Y79AA1000589,	Y79AA1000627,	Y79AA1000782,	Y79AA1000794,	Y79AA1000800,
30	Y79AA1000805,	Y79AA1000833,	Y79AA1000850,	Y79AA1000962,	Y79AA1000966,
	Y79AA1000968,	Y79AA1000969,	Y79AA1000985,	Y79AA1001023,	Y79AA1001041,
	Y79AA1001048,	Y79AA1001061,	Y79AA1001068,	Y79AA1001077,	Y79AA1001105,
	Y79AA1001145,	Y79AA1001167,	Y79AA1001177,	Y79AA1001185,	Y79AA1001211,
35	Y79AA1001216,	Y79AA1001228,	Y79AA1001233,	Y79AA1001236,	Y79AA1001299,
	Y79AA1001323,	Y79AA1001384,	Y79AA1001391,	Y79AA1001394,	Y79AA1001402,
	Y79AA1001511,	Y79AA1001533,	Y79AA1001548,	Y79AA1001555,	Y79AA1001594,
	Y79AA1001603,	Y79AA1001613,	Y79AA1001647,	Y79AA1001665,	Y79AA1001679,
40	Y79AA1001692,	Y79AA1001705,	Y79AA1001711,	Y79AA1001805,	Y79AA1001827,
	Y79AA1001846,	Y79AA1001866,	Y79AA1001875,	Y79AA1001963,	Y79AA1002083,
	Y79AA1002089,	Y79AA1002093,	Y79AA1002103,	Y79AA1002125,	Y79AA1002204,
	Y79AA1002211,	Y79AA1002229,	Y79AA1002234,	Y79AA1002246,	Y79AA1002258,
45	Y79AA1002351,	Y79AA1002361,	Y79AA1002399,	Y79AA1002433,	Y79AA1002472,
	Y79AA1002482,				

[0202] Genes that were expressed in all the tissues tested are indicated below by the corresponding clone names:

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HEMBA1000020,	HEMBA1000150,	HEMBA1000282,	HEMBA1000376,	HEMBA1000387,
HEMBA1000508,	HEMBA1000519,	HEMBA1000575,	HEMBA1000655,	HEMBA1000682,
HEMBA1000702,	HEMBA1000726,	HEMBA1000774,	HEMBA1000960,	HEMBA1000986,
HEMBA1001051,	HEMBA1001085,	HEMBA1001109,	HEMBA1001197,	HEMBA1001226,
HEMBA1001286,	HEMBA1001299,	HEMBA1001377,	HEMBA1001435,	HEMBA1001476,
HEMBA1001510,	HEMBA1001557,	HEMBA1001570,	HEMBA1001581,	HEMBA1001651,
HEMBA1001678,	HEMBA1001791,	HEMBA1001824,	HEMBA1001991,	HEMBA1002100,
HEMBA1002102,	HEMBA1002113,	HEMBA1002150,	HEMBA1002160,	HEMBA1002166,

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	HEMBA1002226,	HEMBA1002229,	HEMBA1002381,	HEMBA1002508,	HEMBA1002552,
	HEMBA1002624,	HEMBA1002645,	HEMBA1002659,	HEMBA1002678,	HEMBA1002703,
	HEMBA1002728,	HEMBA1002818,	HEMBA1002934,	HEMBA1003021,	HEMBA1003033,
5	HEMBA1003037,	HEMBA1003166,	HEMBA1003212,	HEMBA1003220,	HEMBA1003314,
	HEMBA1003322,	HEMBA1003330,	HEMBA1003348,	HEMBA1003370,	HEMBA1003376,
	HEMBA1003480,	HEMBA1003528,	HEMBA1003531,	HEMBA1003571,	HEMBA1003591,
	HEMBA1003621,	HEMBA1003667,	HEMBA1003690,	HEMBA1003827,	HEMBA1003836,
10	HEMBA1003838,	HEMBA1003893,	HEMBA1003926,	HEMBA1004024,	HEMBA1004056,
	HEMBA1004111,	HEMBA1004164,	HEMBA1004267,	HEMBA1004306,	HEMBA1004335,
	HEMBA1004499,	HEMBA1004538,	HEMBA1004753,	HEMBA1005035,	HEMBA1005079,
	HEMBA1005123,	HEMBA1005149,	HEMBA1005241,	HEMBA1005296,	HEMBA1005443,
15	HEMBA1005468,	HEMBA1005475,	HEMBA1005513,	HEMBA1005520,	HEMBA1005552,
	HEMBA1005634,	HEMBA1005852,	HEMBA1005931,	HEMBA1005934,	HEMBA1005990,
	HEMBA1005999,	HEMBA1006036,	HEMBA1006138,	HEMBA1006142,	HEMBA1006381,
	HEMBA1006744,	HEMBA1006832,	HEMBA1006865,	HEMBA1006993,	HEMBA1007078,
20	HEMBA1007080,	HEMBA1007085,	HEMBA1007121,	HEMBA1000018,	HEMBA1000024,
	HEMBA1000059,	HEMBA1000173,	HEMBA1000215,	HEMBA1000337,	HEMBA1000339,
	HEMBA1000343,	HEMBA1000354,	HEMBA1000374,	HEMBA1000376,	HEMBA1000434,
	HEMBA1000472,	HEMBA1000490,	HEMBA1000510,	HEMBA1000554,	HEMBA1000593,
25	HEMBA1000637,	HEMBA1000671,	HEMBA1000684,	HEMBA1000915,	HEMBA1000996,
	HEMBA1001112,	HEMBA1001126,	HEMBA1001234,	HEMBA1001367,	HEMBA1001436,
	HEMBA1001527,	HEMBA1001564,	HEMBA1001588,	HEMBA1001753,	HEMBA1001834,
	HEMBA1001836,	HEMBA1001967,	HEMBA1001983,	HEMBA1002005,	HEMBA1002042,
30	HEMBA1002045,	HEMBA1002069,	HEMBA1002134,	HEMBA1002189,	HEMBA1002218,
	HEMBA1002249,	HEMBA1002364,	HEMBA1002381,	HEMBA1002442,	HEMBA1002453,
	HEMBA1002520,	HEMBA1002556,	HEMBA1002596,	HEMBA1002664,	HEMBA1002699,
	MAMMA1000043,	MAMMA1000057,	MAMMA1000134,	MAMMA1000155,	MAMMA1000227,
	MAMMA1000257,	MAMMA1000270,	MAMMA1000307,	MAMMA1000372,	MAMMA1000416,
35	MAMMA1000429,	MAMMA1000431,	MAMMA1000472,	MAMMA1000478,	MAMMA1000501,
	MAMMA1000524,	MAMMA1000576,	MAMMA1000594,	MAMMA1000597,	MAMMA1000605,
	MAMMA1000625,	MAMMA1000696,	MAMMA1000718,	MAMMA1000734,	MAMMA1000744,
	MAMMA1000760,	MAMMA1000761,	MAMMA1000782,	MAMMA1000839,	MAMMA1000851,
40	MAMMA1000875,	MAMMA1000877,	MAMMA1000931,	MAMMA1000940,	MAMMA1000941,
	MAMMA1000942,	MAMMA1000943,	MAMMA1000962,	MAMMA1000968,	MAMMA1000998,
	MAMMA1001035,	MAMMA1001080,	MAMMA1001126,	MAMMA1001133,	MAMMA1001139,
	MAMMA1001143,	MAMMA1001154,	MAMMA1001161,	MAMMA1001186,	MAMMA1001198,
45	MAMMA1001202,	MAMMA1001203,	MAMMA1001206,	MAMMA1001215,	MAMMA1001220,
	MAMMA1001256,	MAMMA1001260,	MAMMA1001274,	MAMMA1001296,	MAMMA1001383,
	MAMMA1001388,	MAMMA1001397,	MAMMA1001442,	MAMMA1001452,	MAMMA1001465,
	MAMMA1001606,	MAMMA1001620,	MAMMA1001663,	MAMMA1001743,	MAMMA1001745,
50	MAMMA1001760,	MAMMA1001769,	MAMMA1001783,	MAMMA1001878,	MAMMA1001956,
	MAMMA1001969,	MAMMA1001970,	MAMMA1002009,	MAMMA1002032,	MAMMA1002056,
	MAMMA1002058,	MAMMA1002132,	MAMMA1002155,	MAMMA1002174,	MAMMA1002215,
	MAMMA1002267,	MAMMA1002293,	MAMMA1002310,	MAMMA1002311,	MAMMA1002319,
55	MAMMA1002359,	MAMMA1002428,	MAMMA1002434,	MAMMA1002454,	MAMMA1002573,
	MAMMA1002603,	MAMMA1002612,	MAMMA1002617,	MAMMA1002618,	MAMMA1002623,

	MAMMA1002629,	MAMMA1002665,	MAMMA1002673,	MAMMA1002708,	MAMMA1002721,
	MAMMA1002764,	MAMMA1002830,	MAMMA1002844,	MAMMA1002858,	MAMMA1002908,
	MAMMA1002909,	MAMMA1002970,	MAMMA1003031,	MAMMA1003040,	MAMMA1003047,
5	MAMMA1003150,	NT2RM1000018,	NT2RM1000039,	NT2RM1000059,	NT2RM1000086,
	NT2RM1000252,	NT2RM1000256,	NT2RM1000260,	NT2RM1000314,	NT2RM1000857,
	NT2RM1000883,	NT2RM1000885,	NT2RM1000894,	NT2RM2000191,	NT2RM2000368,
	NT2RM2000407,	NT2RM2000422,	NT2RM2000599,	NT2RM2000623,	NT2RM2000795,
10	NT2RM2001100,	NT2RM2001141,	NT2RM2001247,	NT2RM2001716,	NT2RM2001896,
	NT2RM2002091,	NT2RM2002142,	NT2RM4000366,	NT2RM4000764,	NT2RM4000779,
	NT2RM4000852,	NT2RM4001140,	NT2RM4002044,	NT2RM4002189,	NT2RM4002482,
	NT2RM4002499,	NT2RP1000324,	NT2RP1000357,	NT2RP1000363,	NT2RP1000460,
15	NT2RP1000721,	NT2RP1000738,	NT2RP1000851,	NT2RP2000040,	NT2RP2000108,
	NT2RP2000704,	NT2RP2000845,	NT2RP2001036,	NT2RP2001168,	NT2RP2001226,
	NT2RP2001312,	NT2RP2001328,	NT2RP2001366,	NT2RP2001394,	NT2RP2001511,
	NT2RP2001526,	NT2RP2001569,	NT2RP2001581,	NT2RP2001678,	NT2RP2001907,
20	NT2RP2001943,	NT2RP2002457,	NT2RP2002672,	NT2RP2002710,	NT2RP2002750,
	NT2RP2002752,	NT2RP2002862,	NT2RP2002979,	NT2RP2002987,	NT2RP2003117,
	NT2RP2003293,	NT2RP2003391,	NT2RP2003668,	NT2RP2003781,	NT2RP2003825,
	NT2RP2003912,	NT2RP2003986,	NT2RP2003988,	NT2RP2004170,	NT2RP2004270,
25	NT2RP2004339,	NT2RP2004392,	NT2RP2004538,	NT2RP2004568,	NT2RP2004736,
	NT2RP2005354,	NT2RP2005457,	NT2RP2005496,	NT2RP2005701,	NT2RP2005753,
	NT2RP2005773,	NT2RP2005908,	NT2RP2006023,	NT2RP2006184,	NT2RP3000080,
	NT2RP3000348,	NT2RP3000531,	NT2RP3000596,	NT2RP3000644,	NT2RP3000742,
	NT2RP3000826,	NT2RP3000850,	NT2RP3000968,	NT2RP3001274,	NT2RP3001338,
30	NT2RP3001340,	NT2RP3001527,	NT2RP3001712,	NT2RP3002142,	NT2RP3002603,
	NT2RP3002909,	NT2RP3003157,	NT2RP3003576,	NT2RP3003819,	NT2RP3003842,
	NT2RP3004093,	NT2RP3004095,	NT2RP3004110,	NT2RP3004125,	NT2RP3004282,
	NT2RP3004332,	NT2RP3004348,	NT2RP3004349,	NT2RP3004466,	NT2RP3004470,
35	NT2RP3004503,	NT2RP3004670,	NT2RP4000035,	NT2RP4000109,	NT2RP4000150,
	NT2RP4000185,	NT2RP4000210,	NT2RP4000212,	NT2RP4000214,	NT2RP4000243,
	NT2RP4000515,	NT2RP4000728,	NT2RP4000878,	NT2RP4000918,	NT2RP4001100,
	NT2RP4001502,	NT2RP4001568,	NT2RP4001677,	NT2RP4001679,	NT2RP4001828,
40	NT2RP4001861,	NT2RP4002888,	NT2RP5003506,	OVARC1000085,	OVARC1000408,
	OVARC1000420,	OVARC1000427,	OVARC1000442,	OVARC1000526,	OVARC1000533,
	OVARC1000576,	OVARC1000622,	OVARC1000800,	OVARC1000846,	OVARC1000890,
	OVARC1000960,	OVARC1000964,	OVARC1000999,	OVARC1001000,	OVARC1001051,
45	OVARC1001173,	OVARC1001176,	OVARC1001180,	OVARC1001271,	OVARC1001329,
	OVARC1001341,	OVARC1001342,	OVARC1001344,	OVARC1001381,	OVARC1001668,
	OVARC1001731,	OVARC1001802,	OVARC1001809,	OVARC1001880,	OVARC1001950,
	OVARC1001989,	OVARC1002082,	OVARC1002107,	OVARC1002165,	PLACE1000061,
50	PLACE1000292,	PLACE1000374,	PLACE1000401,	PLACE1000444,	PLACE1000547,
	PLACE1000583,	PLACE1000706,	PLACE1000749,	PLACE1000972,	PLACE1001036,
	PLACE1001062,	PLACE1001136,	PLACE1001304,	PLACE1001323,	PLACE1001399,
	PLACE1001414,	PLACE1001456,	PLACE1001484,	PLACE1001545,	PLACE1001610,
	PLACE1001761,	PLACE1001912,	PLACE1002004,	PLACE1002066,	PLACE1002532,
55	PLACE1002578,	PLACE1002655,	PLACE1002775,	PLACE1002881,	PLACE1003205,

	PLACE1003256,	PLACE1003361,	PLACE1003493,	PLACE1003519,	PLACE1003528,
	PLACE1003566,	PLACE1003592,	PLACE1003870,	PLACE1003968,	PLACE1004103,
5	PLACE1004149,	PLACE1004156,	PLACE1004161,	PLACE1004242,	PLACE1004336,
	PLACE1004358,	PLACE1004672,	PLACE1004736,	PLACE1004824,	PLACE1004900,
	PLACE1004979,	PLACE1005086,	PLACE1005101,	PLACE1005102,	PLACE1005128,
	PLACE1005232,	PLACE1005528,	PLACE1006002,	PLACE1006139,	PLACE1006412,
10	PLACE1006540,	PLACE1007132,	PLACE1007367,	PLACE1008405,	PLACE1008457,
	PLACE1010310,	PLACE1011056,	PLACE1011340,	PLACE1011646,	PLACE1011783,
	PLACE2000003,	PLACE2000030,	PLACE2000039,	PLACE2000047,	PLACE2000124,
	PLACE2000235,	PLACE2000305,	PLACE2000335,	PLACE2000347,	PLACE2000411,
15	PLACE2000419,	PLACE2000435,	PLACE2000450,	PLACE2000465,	PLACE3000004,
	PLACE3000009,	PLACE3000070,	PLACE3000124,	PLACE3000136,	PLACE3000145,
	PLACE3000155,	PLACE3000158,	PLACE3000207,	PLACE3000254,	PLACE3000271,
	PLACE3000304,	PLACE3000331,	PLACE3000399,	PLACE3000401,	PLACE3000455,
20	PLACE3000475,	PLACE4000009,	PLACE4000049,	PLACE4000128,	PLACE4000131,
	PLACE4000192,	PLACE4000211,	PLACE4000250,	PLACE4000323,	PLACE4000445,
	PLACE4000450,	PLACE4000465,	PLACE4000612,	THYRO1000085,	THYRO1000132,
	THYRO1000186,	THYRO1000484,	THYRO1000569,	THYRO1000699,	THYRO1000712,
25	THYRO1000815,	THYRO1001173,	THYRO1001189,	THYRO1001401,	THYRO1001406,
	THYRO1001411,	THYRO1001426,	THYRO1001480,	THYRO1001487,	THYRO1001537,
	THYRO1001637,	THYRO1001772,	THYRO1001793,	THYRO1001828,	THYRO1001854,
	Y79AA1000059,	Y79AA1000131,	Y79AA1000202,	Y79AA1000214,	Y79AA1000231,
30	Y79AA1000313,	Y79AA1000342,	Y79AA1000349,	Y79AA1000410,	Y79AA1000539,
	Y79AA1000560,	Y79AA1000589,	Y79AA1000833,	Y79AA1000985,	Y79AA1001077,
	Y79AA1001145,	Y79AA1001216,	Y79AA1001228,	Y79AA1001299,	Y79AA1001402,
	Y79AA1001548,	Y79AA1001603,	Y79AA1001613,	Y79AA1001805,	Y79AA1002472,
35	Y79AA1002482.				

[0203] Genes that were expressed at low levels in any of the tissues tested are indicated below by the corresponding clone names:

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5	HEMBA1000005,	HEMBA1000050,	HEMBA1000141,	HEMBA1000180,	HEMBA1000193,
	HEMBA1000201,	HEMBA1000213,	HEMBA1000251,	HEMBA1000264,	HEMBA1000290,
	HEMBA1000302,	HEMBA1000307,	HEMBA1000333,	HEMBA1000390,	HEMBA1000418,
	HEMBA1000434,	HEMBA1000442,	HEMBA1000460,	HEMBA1000464,	HEMBA1000490,
	HEMBA1000504,	HEMBA1000518,	HEMBA1000520,	HEMBA1000531,	HEMBA1000555,
	HEMBA1000563,	HEMBA1000592,	HEMBA1000594,	HEMBA1000608,	HEMBA1000637,
10	HEMBA1000662,	HEMBA1000686,	HEMBA1000719,	HEMBA1000722,	HEMBA1000727,
	HEMBA1000747,	HEMBA1000773,	HEMBA1000817,	HEMBA1000822,	HEMBA1000851,
	HEMBA1000867,	HEMBA1000869,	HEMBA1000943, ~	HEMBA1000946,	HEMBA1000968,
	HEMBA1000974,	HEMBA1000985,	HEMBA1001009,	HEMBA1001019,	HEMBA1001022,
	HEMBA1001024,	HEMBA1001026,	HEMBA1001043,	HEMBA1001052,	HEMBA1001071,
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55	PLACE1010802,	PLACE1010811,	PLACE1010857,	PLACE1010870,	PLACE1010877,

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10	PLACE1011643,	PLACE1011664,	PLACE1011675,	PLACE1011729,	PLACE1011762,
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15	PLACE2000097,	PLACE2000115,	PLACE2000136,	PLACE2000164,	PLACE2000223,
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	SKNMC1000091,	THYRO1000035,	THYRO1000111,	THYRO1000121,	THYRO1000124,
25	THYRO1000129,	THYRO1000156,	THYRO1000199,	THYRO1000242,	THYRO1000270,
	THYRO1000279,	THYRO1000288,	THYRO1000327,	THYRO1000381,	THYRO1000438,
	THYRO1000488,	THYRO1000501,	THYRO1000502,	THYRO1000505,	THYRO1000570,
	THYRO1000596,	THYRO1000605,	THYRO1000641,	THYRO1000662,	THYRO1000734,
30	THYRO1000777,	THYRO1000783,	THYRO1000793,	THYRO1000796,	THYRO1000805,
	THYRO1000829,	THYRO1000852,	THYRO1000895,	THYRO1000934,	THYRO1000952,
	THYRO1001033,	THYRO1001100,	THYRO1001134,	THYRO1001142,	THYRO1001204,
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35	THYRO1001661,	THYRO1001721,	THYRO1001745,	Y79AA1000328,	Y79AA1000420,
	Y79AA1000705,	Y79AA1000734,	Y79AA1000748,	Y79AA1000752,	Y79AA1000774,
	Y79AA1000784,	Y79AA1000802,	Y79AA1000824,	Y79AA1000827,	Y79AA1000976,
	Y79AA1001078,	Y79AA1001281,	Y79AA1001312,	Y79AA1001493,	Y79AA1001541,
40	Y79AA1001581,	Y79AA1001585,	Y79AA1001696,	Y79AA1001781,	Y79AA1001848,
	Y79AA1001874,	Y79AA1001923,	Y79AA1002027,	Y79AA1002115,	Y79AA1002139,
	Y79AA1002208,	Y79AA1002209,	Y79AA1002210,	Y79AA1002220,	Y79AA1002298,
	Y79AA1002307,	Y79AA1002311,	Y79AA1002407,	Y79AA1002416,	Y79AA1002431,
45	Y79AA1002487.				

[0204] Genes exhibiting characteristic features in the expression thereof were selected by statistical analysis of these data. Two examples are shown below to describe the selection of genes of which expression is varied greatly among tissues. The β ' actin gene is used frequently as a control in gene expression analysis. Genes of which expression is varied greatly among tissues as compared that of the β -actin gene were determined as follows. Specifically, sum of squared deviation was calculated in the signal intensity of β -actin observed in each tissue, which was divided by 7 degrees of freedom to determine a variance S_a^2 . Next, sum of squared deviation was calculated in the signal intensity of a gene to be compared observed in each tissue, which was divided by 7 degrees of freedom to determine a variance S_b^2 . By taking variance ratio F as $F = S_b^2 / S_a^2$, genes with a significance level of 5% or more were extracted in the F distribution. Genes extracted are indicated below by the corresponding clone names:

HEMBA1002113, HEMBA1005296, HEMBA1007121, HEMBB1000637, HEMBB1000915, MAMMA1000597, MAMMA1000605, MAMMA1000962, MAMMA1001139, MAMMA1001198, MAMMA1002858, NT2RM2001896, NT2RP2002710, NT2RP2004339, NT2RP2004538, NT2RP3000348, NT2RP3003121, PLACE3000009,

PLACE3000254, THYRO1000569, Y79AA1000131.

[0205] Gene of OVARC1000037 {heterogeneous nuclear ribonucleoprotein (hnRNP)} which expression is varied little. Genes of which expression is varied greatly among tissues as compared that of the OVARC1000037 gene were determined as follows. Specifically, sum of squared deviation was calculated in the signal intensity of β -actin observed in each tissue, which was divided by 7 degrees of freedom to determine a variance S_a^2 . Next, sum of squared deviation was calculated in the signal intensity of a gene to be compared observed in each tissue, which was divided by 7 degrees of freedom to determine a variance S_b^2 . By taking variance ratio F as $F=S_b^2/S_a^2$, genes with a significance level of 5% or more were extracted in the F distribution. Genes extracted are indicated below, by the corresponding clone names:

10	HEMBA1000304,	NT2RM2001716,	NT2RM2001840,	HEMBA1001051,	HEMBA1001109,
	OVARC1001731,	HEMBA1000726,	HEMBA1001286,	HEMBA1000387,	HEMBA1000519,
	NT2RM2001896,	HEMBA1000042,	HEMBA1001085,	HEMBA1001330,	OVARC1000576,
	HEMBA1000575,	NT2RM2000599,	NT2RM2000714,	HEMBA1000469,	NT2RM4000366,
15	HEMBA1001377,	HEMBA1000769,	HEMBA1000338,	NT2RM2000795,	HEMBA1001299,
	HEMBA1000508,	HEMBA1000150,	HEMBA1000774,	HEMBA1001226,	HEMBA1000960,
	NT2RM4000795,	HEMBA1002162,	NT2RM4001876,	NT2RM4002482,	HEMBA1001678,
	HEMBA1002113,	NT2RM4002383,	HEMBA1002229,	HEMBA1002818,	HEMBA1001454,
20	NT2RM4000764,	HEMBA1001510,	HEMBA1001714,	HEMBA1002150,	NT2RM4002044,
	HEMBA1002728,	NT2RM4002189,	HEMBA1001991,	HEMBA1002166,	NT2RM4002499,
	NT2RM4001140,	NT2RM4002504,	HEMBA1002590,	HEMBA1001435,	PLACE1000706,
	HEMBA1002160,	HEMBA1001824,	HEMBA1001463,	HEMBA1001533,	HEMBA1001570,
25	PLACE1001036,	HEMBA1001651,	HEMBA1002381,	HEMBA1002934,	HEMBA1003370,
	HEMBA1003021,	HEMBA1003166,	NT2RP1000738,	NT2RP2000040,	HEMBA1004164,
	HEMBA1003836,	HEMBA1004267,	NT2RP2000845,	HEMBA1003041,	HEMBA1003571,
	HEMBA1003758,	NT2RP2000108,	HEMBA1003838,	NT2RP1000357,	HEMBA1003376,
30	PLACE1003528,	HEMBA1003528,	NT2RP1001475,	HEMBA1004049,	HEMBA1003212,
	HEMBA1003667,	PLACE1004149,	HEMBA1003926,	HEMBA1004306,	HEMBA1004024,
	NT2RP1000363,	HEMBA1003033,	HEMBA1004335,	HEMBA1003348,	HEMBA1003034,
	NT2RP2001081,	HEMBA1004056,	HEMBA1003314,	HEMBA1003827,	HEMBA1003893,
35	NT2RP2001036,	NT2RP2001168,	NT2RP2001328,	HEMBA1005035,	NT2RP2001569,
	NT2RP2002439,	HEMBA1005511,	HEMBA1005999,	NT2RP2002862,	NT2RP2002979,
	NT2RP2001394,	HEMBA1004753,	NT2RP2002621,	HEMBA1005853,	HEMBA1005443,
	NT2RP2002980,	NT2RP2001347,	HEMBA1005241,	NT2RP2002750,	NT2RP2003533,
40	HEMBA1005634,	NT2RP2003034,	HEMBA1006138,	NT2RP2003117,	NT2RP2001366,
	HEMBA1005079,	NT2RP2003293,	NT2RP2002710,	HEMBA1005911,	NT2RP2002752,
	HEMBA1006036,	NT2RP2002987,	HEMBA1006100,	HEMBA1004460,	HEMBA1004538,
	NT2RP2001943,	NT2RP2002033,	HEMBA1005296,	HEMBA1005829,	HEMBA1005520,
45	HEMBA1005123,	HEMBA1005552,	HEMBA1004930,	NT2RP2001312,	HEMBA1005304,
	HEMBA1005834,	HEMBA1005990,	HEMBA1005526,	NT2RP2003073,	HEMBA1005331,
	HEMBA1006744,	HEMBA1006780,	NT2RP2004339,	HEMBA1000173,	HEMBA1007113,
50	NT2RP2005908,	HEMBA1000376,	HEMBA1000024,	HEMBA1000510,	NT2RP2004580,

	NT2RP2003912,	HEMBA1006381,	NT2RP2004270,	HEMBA1006993,	NT2RP2005325,
	HEMBB1000218,	HEMBA1007121,	HEMBB1000434,	NT2RP2006166,	PLACE1010310,
	HEMBB1000589,	NT2RP2003986,	HEMBA1006419,	HEMBB1000141,	HEMBB1000030,
5	HEMBB1000099,	HEMBA1006624,	NT2RP2003988,	NT2RP2005753,	HEMBA1007147,
	HEMBB1000354,	NT2RP2006023,	HEMBB1000441,	HEMBB1000523,	HEMBB1000059,
	HEMBA1006631,	NT2RP2004538,	HEMBA1006695,	HEMBB1000490,	NT2RP2006184,
	HEMBB1000573,	NT2RP2004675,	HEMBA1007078,	NT2RP2005457,	NT2RP2005491,
10	HEMBB1000491,	HEMBB1000575,	PLACE1008405,	NT2RP2005773,	NT2RP2005354,
	HEMBB1000337,	HEMBB1000008,	NT2RP2005701,	NT2RP2003825,	HEMBB1000215,
	HEMBB1000258,	NT2RP2005496,	HEMBB1000374,	NT2RP2005581,	HEMBB1000018,
	HEMBB1000493,	HEMBB1000554,	HEMBB1000671,	NT2RP3000348,	HEMBB1001267,
15	HEMBB1002092,	HEMBB1001749,	PLACE3000304,	HEMBB1001834,	HEMBB1001142,
	HEMBB1001177,	HEMBB1000840,	HEMBB1001436,	HEMBB1001921,	HEMBB1002005,
	NT2RP3001398,	HEMBB1002069,	HEMBB1002094,	HEMBB1001836,	HEMBB1001114,
	NT2RP3000628,	HEMBB1001367,	HEMBB1001588,	HEMBB1002249,	HEMBB1000684,
20	NT2RP2006571,	HEMBB1001802,	HEMBB1000915,	HEMBB1000996,	NT2RP3001274,
	HEMBB1001564,	NT2RP3000968,	PLACE3000156,	HEMBB1002045,	NT2RP3000341,
	HEMBB1000917,	PLACE1011090,	NT2RP3000742,	PLACE2000435,	HEMBB1001944,
	PLACE3000254,	HEMBB1002218,	NT2RP2006436,	NT2RP3000320,	HEMBB1001126,
	HEMBB1000749,	NT2RP3000644,	HEMBB1001527,	NT2RP3000850,	HEMBB1001967,
25	PLACE3000401,	HEMBB1000637,	HEMBB1001234,	NT2RP3000080,	PLACE2000411,
	PLACE3000009,	PLACE3000070,	HEMBB1002134,	PLACE3000475,	PLACE4000192,
	HEMBB1002520,	HEMBB1002545,	MAMMA1000155,	MAMMA1000307,	THYRO1000787,
	MAMMA1000348,	MAMMA1000372,	NT2RP3003121,	MAMMA1000851,	MAMMA1000501,
30	THYRO1000569,	MAMMA1000576,	MAMMA1000605,	HEMBB1002442,	HEMBB1002596,
	MAMMA1000198,	MAMMA1000714,	MAMMA1000356,	MAMMA1000760,	MAMMA1000416,
	MAMMA1000931,	MAMMA1000962,	HEMBB1002387,	NT2RP3001712,	HEMBB1002556,
	HEMBB1002617,	MAMMA1000171,	PLACE4000612,	MAMMA1000761,	MAMMA1000421,
35	MAMMA1000444,	HEMBB1002358,	HEMBB1002453,	HEMBB1002664,	HEMBB1002699,
	MAMMA1000720,	MAMMA1000360,	MAMMA1000744,	MAMMA1000802,	MAMMA1000839,
	MAMMA1000478,	MAMMA1000877,	MAMMA1000585,	MAMMA1000941,	NT2RP3002909,
	MAMMA1000968,	HEMBB1002457,	HEMBB1002495,	MAMMA1000057,	MAMMA1000696,
40	MAMMA1000942,	MAMMA1000302,	MAMMA1000943,	MAMMA1000998,	NT2RP3001752,
	NT2RP3003032,	MAMMA1000429,	MAMMA1000565,	MAMMA1000594,	MAMMA1000625,
	NT2RP3002146,	MAMMA1000084,	MAMMA1000257,	NT2RP3003157,	MAMMA1000431,
	MAMMA1000597,	MAMMA1001078,	MAMMA1001126,	THYRO1001537,	NT2RP3004093,
	MAMMA1001202,	NT2RP3003842,	Y79AA1000342,	MAMMA1002311,	MAMMA1001969,
45	Y79AA1000560,	MAMMA1002359,	MAMMA1002056,	MAMMA1002413,	MAMMA1002454,
	MAMMA1002612,	MAMMA1001411,	MAMMA1001035,	MAMMA1001080,	MAMMA1001133,
	NT2RP3004095,	MAMMA1001161,	MAMMA1001203,	MAMMA1001663,	NT2RP3003819,
	MAMMA1001745,	MAMMA1001790,	NT2RP3004470,	NT2RP3004503,	MAMMA1002293,
50	NT2RP4000321,	MAMMA1001880,	Y79AA1000410,	MAMMA1001970,	MAMMA1002058,
	NT2RP4000515,	MAMMA1002215,	MAMMA1002617,	NT2RP3003576,	MAMMA1001139,
	MAMMA1001576,	Y79AA1000131,	MAMMA1001330,	MAMMA1001769,	MAMMA1001383,
	MAMMA1002032,	MAMMA1002125,	MAMMA1002174,	NT2RP4000614,	NT2RP4000243,
55	NT2RP3004110,	MAMMA1001271,	MAMMA1001296,	MAMMA1001992,	MAMMA1002033,

MAMMA1002428, MAMMA1002590, MAMMA1001186, MAMMA1002267, MAMMA1002322,
 MAMMA1001956, MAMMA1002155, NT2RP4000210, MAMMA1002622, NT2RP3004125,
 5 MAMMA1001220, MAMMA1001683, NT2RP3004348, Y79AA1000214, Y79AA1000833,
 NT2RP4000212, MAMMA1002230, MAMMA1001452, MAMMA1001620, MAMMA1001256,
 MAMMA1001760, NT2RP3004349, MAMMA1001783, MAMMA1001907, MAMMA1002009,
 MAMMA1002545, NT2RP4000214, NT2RP4000728, MAMMA1001465, MAMMA1001154,
 10 MAMMA1001198, MAMMA1001343, MAMMA1002310, NT2RP4000035, NT2RP4000833,
 MAMMA1003150, MAMMA1002886, NT2RP4001938, NT2RM2000260, MAMMA1002629,
 MAMMA1002973, MAMMA1002721, MAMMA1002909, NT2RP4001100, NT2RM1000857,
 NT2RP4000878, MAMMA1002844, NT2RM1000039, NT2RP4001174, MAMMA1002665,
 15 MAMMA1003047, NT2RM1000086, NT2RM1000260, NT2RM1000355, MAMMA1002701,
 NT2RP4000918, MAMMA1002830, MAMMA1002970, NT2RP4001677, NT2RM2000422,
 MAMMA1003004, MAMMA1002673, MAMMA1003031, MAMMA1002764, MAMMA1002858,
 20 NT2RP4001679, NT2RP4002888, MAMMA1002711, NT2RP4001276, NT2RM1000018,
 NT2RP4001568, NT2RM1000883.

[0206] Thus, characteristic features in the expression of a gene are illustrated by comparing and _ statistically analyzing the expression of many genes.

25 Analysis of disease-associated genes

[0207] Non-enzymic protein glycation reaction is believed to be a cause of a variety of chronic diabetic complications. Accordingly, genes of which expression is elevated or decreased in a glycosylated protein-specific manner in the endothelial cells are associated with diabetic complications caused by glycosylated proteins. Vascular endothelial cells are affected with glycosylated proteins present in blood. Reaction products of non-enzymic protein glycation include amadori compound (glycosylated protein) as a mildly glycosylated protein and advanced glycation endproduct as a heavily glycosylated protein. Hence, a survey was carried out for genes of which expression levels are varied depending on the presence of these glycosylated proteins in endothelial cells. The mRNAs were extracted from endothelial cells that were cultured in the presence or absence of glycosylated protein. The mRNAs were converted into radiolabeled first strand cDNAs for preparing probes.

30 The probes were hybridized to the above-mentioned DNA array. Signal of each DNA spot was detected by BAS2000 and analyzed by ArrayGauge (Fuji Photo Film Co., Ltd.).

[0208] Advanced glycation endproduct of bovine serum albumin was prepared as follows: bovine serum albumin (BSA; Sigma) was incubated in a phosphate buffer solution containing 50 mM glucose at 37°C for 8 weeks; and the resulting brownish BSA was dialyzed against a phosphate buffer solution.

40 [0209] Human normal pulmonary arterial endothelial cells (Cell Applications) were cultured in an Endothelial Cell Growth Medium (Cell Applications). The culture dish (Falcon) with the cells were incubated in a CO₂ incubator (37°C, 5% CO₂, in a humid atmosphere). When the cells were grown to be confluent in the dish, 250 µg/ml of bovine serum albumin (sigma), glycosylated bovine serum albumin (Sigma) or advanced glycation endproduct of bovine serum albumin was added thereto and the cells were incubated for 33 hours. The mRNA was extracted from the cells by using a

45 FastTrack™ 2.0 kit (Invitrogen). The labeling of hybridization probe was carried out by using the mRNA according to the same procedure as described above.

[0210] Table 169 shows the expression level of each cDNA in human pulmonary arterial endothelial cells cultured in a medium containing bovine serum albumin (sigma), glycosylated bovine serum albumin (Sigma) or advanced glycation endproduct of bovine serum albumin. Genes of which expression was detected in the endothelial cell are as follows:

	HEMBA1000005,	HEMBA1000012,	HEMBA1000020,	HEMBA1000042,	HEMBA1000046,
	HEMBA1000076,	HEMBA1000111,	HEMBA1000150,	HEMBA1000185,	HEMBA1000216,
	HEMBA1000231,	HEMBA1000280,	HEMBA1000282,	HEMBA1000288,	HEMBA1000304,
5	HEMBA1000327,	HEMBA1000338,	HEMBA1000356,	HEMBA1000357,	HEMBA1000366,
	HEMBA1000376,	HEMBA1000387,	HEMBA1000428,	HEMBA1000456,	HEMBA1000459,
	HEMBA1000460,	HEMBA1000469,	HEMBA1000501,	HEMBA1000504,	HEMBA1000505,
	HEMBA1000508,	HEMBA1000519,	HEMBA1000534,	HEMBA1000540,	HEMBA1000542,
10	HEMBA1000555,	HEMBA1000557,	HEMBA1000575,	HEMBA1000592,	HEMBA1000604,
	HEMBA1000622,	HEMBA1000636,	HEMBA1000655,	HEMBA1000673,	HEMBA1000682,
	HEMBA1000686,	HEMBA1000702,	HEMBA1000726,	HEMBA1000727,	HEMBA1000749,
	HEMBA1000769,	HEMBA1000774,	HEMBA1000791,	HEMBA1000827,	HEMBA1000852,
15	HEMBA1000872,	HEMBA1000876,	HEMBA1000918,	HEMBA1000942,	HEMBA1000960,
	HEMBA1000974,	HEMBA1001020,	HEMBA1001051,	HEMBA1001059,	HEMBA1001060,
	HEMBA1001080,	HEMBA1001085,	HEMBA1001088,	HEMBA1001109,	HEMBA1001122,
	HEMBA1001123,	HEMBA1001140,	HEMBA1001172,	HEMBA1001196,	HEMBA1001197,
20	HEMBA1001213,	HEMBA1001226,	HEMBA1001235,	HEMBA1001247,	HEMBA1001265,
	HEMBA1001281,	HEMBA1001286,	HEMBA1001299,	HEMBA1001302,	HEMBA1001326,
	HEMBA1001330,	HEMBA1001351,	HEMBA1001377,	HEMBA1001387,	HEMBA1001398,
	HEMBA1001432,	HEMBA1001433,	HEMBA1001435,	HEMBA1001446,	HEMBA1001450,
	HEMBA1001454,	HEMBA1001463,	HEMBA1001497,	HEMBA1001510,	HEMBA1001517,
25	HEMBA1001526,	HEMBA1001533,	HEMBA1001557,	HEMBA1001566,	HEMBA1001569,
	HEMBA1001570,	HEMBA1001579,	HEMBA1001581,	HEMBA1001595,	HEMBA1001608,
	HEMBA1001620,	HEMBA1001640,	HEMBA1001647,	HEMBA1001651,	HEMBA1001655,
	HEMBA1001658,	HEMBA1001678,	HEMBA1001714,	HEMBA1001718,	HEMBA1001723,
30	HEMBA1001746,	HEMBA1001784,	HEMBA1001791,	HEMBA1001800,	HEMBA1001804,
	HEMBA1001809,	HEMBA1001819,	HEMBA1001824,	HEMBA1001844,	HEMBA1001866,
	HEMBA1001888,	HEMBA1001912,	HEMBA1001913,	HEMBA1001918,	HEMBA1001940,
	HEMBA1001960,	HEMBA1001987,	HEMBA1001991,	HEMBA1002003,	HEMBA1002008,
35	HEMBA1002049,	HEMBA1002100,	HEMBA1002102,	HEMBA1002113,	HEMBA1002119,
	HEMBA1002126,	HEMBA1002151,	HEMBA1002153,	HEMBA1002160,	HEMBA1002161,
	HEMBA1002166,	HEMBA1002185,	HEMBA1002189,	HEMBA1002191,	HEMBA1002226,
	HEMBA1002229,	HEMBA1002237,	HEMBA1002241,	HEMBA1002267,	HEMBA1002270,
	HEMBA1002337,	HEMBA1002348,	HEMBA1002381,	HEMBA1002458,	HEMBA1002462,
40	HEMBA1002469,	HEMBA1002503,	HEMBA1002508,	HEMBA1002542,	HEMBA1002547,
	HEMBA1002552,	HEMBA1002558,	HEMBA1002583,	HEMBA1002590,	HEMBA1002592,
	HEMBA1002609,	HEMBA1002624,	HEMBA1002629,	HEMBA1002645,	HEMBA1002678,
	HEMBA1002688,	HEMBA1002703,	HEMBA1002712,	HEMBA1002728,	HEMBA1002730,
45	HEMBA1002750,	HEMBA1002770,	HEMBA1002779,	HEMBA1002780,	HEMBA1002818,
	HEMBA1002833,	HEMBA1002876,	HEMBA1002934,	HEMBA1002935,	HEMBA1002968,
	HEMBA1002970,	HEMBA1002973,	HEMBA1003021,	HEMBA1003033,	HEMBA1003034,
	HEMBA1003041,	HEMBA1003046,	HEMBA1003064,	HEMBA1003067,	HEMBA1003079,
50	HEMBA1003083,	HEMBA1003086,	HEMBA1003098,	HEMBA1003129,	HEMBA1003133,
	HEMBA1003142,	HEMBA1003166,	HEMBA1003175,	HEMBA1003179,	HEMBA1003202,
	HEMBA1003204,	HEMBA1003212,	HEMBA1003220,	HEMBA1003235,	HEMBA1003257,
	HEMBA1003286,	HEMBA1003296,	HEMBA1003322,	HEMBA1003330,	HEMBA1003348,
55	HEMBA1003370,	HEMBA1003376,	HEMBA1003403,	HEMBA1003418,	HEMBA1003447,

	HEMBA1003480,	HEMBA1003531,	HEMBA1003538,	HEMBA1003548,	HEMBA1003560,
	HEMBA1003571,	HEMBA1003591,	HEMBA1003597,	HEMBA1003615,	HEMBA1003621,
	HEMBA1003640,	HEMBA1003656,	HEMBA1003667,	HEMBA1003680,	HEMBA1003690,
5	HEMBA1003692,	HEMBA1003715,	HEMBA1003720,	HEMBA1003742,	HEMBA1003758,
	HEMBA1003803,	HEMBA1003805,	HEMBA1003827,	HEMBA1003836,	HEMBA1003838,
	HEMBA1003864,	HEMBA1003879,	HEMBA1003880,	HEMBA1003885,	HEMBA1003893,
	HEMBA1003902,	HEMBA1003926,	HEMBA1003937,	HEMBA1003939,	HEMBA1003950,
10	HEMBA1003958,	HEMBA1003989,	HEMBA1004000,	HEMBA1004012,	HEMBA1004015,
	HEMBA1004024,	HEMBA1004048,	HEMBA1004056,	HEMBA1004074,	HEMBA1004111,
	HEMBA1004132,	HEMBA1004143,	HEMBA1004164,	HEMBA1004225,	HEMBA1004227,
	HEMBA1004238,	HEMBA1004246,	HEMBA1004267,	HEMBA1004274,	HEMBA1004289,
15	HEMBA1004306,	HEMBA1004321,	HEMBA1004323,	HEMBA1004335,	HEMBA1004353,
	HEMBA1004354,	HEMBA1004356,	HEMBA1004408,	HEMBA1004429,	HEMBA1004499,
	HEMBA1004507,	HEMBA1004534,	HEMBA1004538,	HEMBA1004542,	HEMBA1004577,
	HEMBA1004586,	HEMBA1004596,	HEMBA1004604,	HEMBA1004629,	HEMBA1004669,
20	HEMBA1004693,	HEMBA1004709,	HEMBA1004730,	HEMBA1004736,	HEMBA1004751,
	HEMBA1004753,	HEMBA1004763,	HEMBA1004778,	HEMBA1004803,	HEMBA1004816,
	HEMBA1004850,	HEMBA1004880,	HEMBA1004923,	HEMBA1004930,	HEMBA1004954,
	HEMBA1004977,	HEMBA1004978,	HEMBA1004980,	HEMBA1005009,	HEMBA1005019,
	HEMBA1005035,	HEMBA1005079,	HEMBA1005123,	HEMBA1005133,	HEMBA1005149,
25	HEMBA1005202,	HEMBA1005206,	HEMBA1005219,	HEMBA1005241,	HEMBA1005296,
	HEMBA1005304,	HEMBA1005331,	HEMBA1005338,	HEMBA1005353,	HEMBA1005359,
	HEMBA1005374,	HEMBA1005382,	HEMBA1005403,	HEMBA1005408,	HEMBA1005411,
	HEMBA1005443,	HEMBA1005469,	HEMBA1005472,	HEMBA1005474,	HEMBA1005475,
30	HEMBA1005500,	HEMBA1005508,	HEMBA1005511,	HEMBA1005513,	HEMBA1005520,
	HEMBA1005526,	HEMBA1005528,	HEMBA1005548,	HEMBA1005552,	HEMBA1005568,
	HEMBA1005576,	HEMBA1005588,	HEMBA1005606,	HEMBA1005609,	HEMBA1005616,
	HEMBA1005627,	HEMBA1005631,	HEMBA1005634,	HEMBA1005670,	HEMBA1005679,
	HEMBA1005680,	HEMBA1005705,	HEMBA1005765,	HEMBA1005813,	HEMBA1005822,
35	HEMBA1005829,	HEMBA1005834,	HEMBA1005853,	HEMBA1005894,	HEMBA1005911,
	HEMBA1005921,	HEMBA1005931,	HEMBA1005934,	HEMBA1005990,	HEMBA1005991,
	HEMBA1005999,	HEMBA1006002,	HEMBA1006036,	HEMBA1006042,	HEMBA1006100,
	HEMBA1006138,	HEMBA1006142,	HEMBA1006173,	HEMBA1006182,	HEMBA1006198,
40	HEMBA1006278,	HEMBA1006283,	HEMBA1006328,	HEMBA1006344,	HEMBA1006359,
	HEMBA1006377,	HEMBA1006380,	HEMBA1006381,	HEMBA1006416,	HEMBA1006419,
	HEMBA1006426,	HEMBA1006461,	HEMBA1006471,	HEMBA1006474,	HEMBA1006483,
	HEMBA1006485,	HEMBA1006486,	HEMBA1006492,	HEMBA1006502,	HEMBA1006507,
45	HEMBA1006546,	HEMBA1006579,	HEMBA1006583,	HEMBA1006597,	HEMBA1006612,
	HEMBA1006624,	HEMBA1006631,	HEMBA1006648,	HEMBA1006652,	HEMBA1006659,
	HEMBA1006674,	HEMBA1006695,	HEMBA1006744,	HEMBA1006779,	HEMBA1006780,
	HEMBA1006795,	HEMBA1006807,	HEMBA1006821,	HEMBA1006824,	HEMBA1006832,
	HEMBA1006849,	HEMBA1006865,	HEMBA1006885,	HEMBA1006900,	HEMBA1006914,
50	HEMBA1006926,	HEMBA1006929,	HEMBA1006936,	HEMBA1006941,	HEMBA1006993,
	HEMBA1007002,	HEMBA1007078,	HEMBA1007080,	HEMBA1007085,	HEMBA1007087,
	HEMBA1007113,	HEMBA1007121,	HEMBA1007147,	HEMBA1007194,	HEMBA1007206,
	HEMBA1007224,	HEMBA1007243,	HEMBA1007256,	HEMBA1007267,	HEMBA1007279,

	HEMBA1007288,	HEMBA1007300,	HEMBA1007322,	HEMBA1007327,	HEMBA1007341,
	HEMBA1007347,	HEMBA1000005,	HEMBA1000008,	HEMBA1000018,	HEMBA1000024,
	HEMBA1000030,	HEMBA1000036,	HEMBA1000044,	HEMBA1000054,	HEMBA1000055,
5	HEMBA1000059,	HEMBA1000083,	HEMBA1000089,	HEMBA1000099,	HEMBA1000103,
	HEMBA1000136,	HEMBA1000141,	HEMBA1000173,	HEMBA1000215,	HEMBA1000217,
	HEMBA1000218,	HEMBA1000226,	HEMBA1000258,	HEMBA1000264,	HEMBA1000272,
	HEMBA1000307,	HEMBA1000337,	HEMBA1000338,	HEMBA1000339,	HEMBA1000343,
10	HEMBA1000354,	HEMBA1000374,	HEMBA1000376,	HEMBA1000391,	HEMBA1000420,
	HEMBA1000434,	HEMBA1000441,	HEMBA1000455,	HEMBA1000480,	HEMBA1000490,
	HEMBA1000491,	HEMBA1000510,	HEMBA1000523,	HEMBA1000554,	HEMBA1000564,
	HEMBA1000573,	HEMBA1000575,	HEMBA1000586,	HEMBA1000591,	HEMBA1000593,
15	HEMBA1000598,	HEMBA1000631,	HEMBA1000632,	HEMBA1000637,	HEMBA1000649,
	HEMBA1000652,	HEMBA1000671,	HEMBA1000684,	HEMBA1000705,	HEMBA1000709,
	HEMBA1000726,	HEMBA1000738,	HEMBA1000749,	HEMBA1000770,	HEMBA1000790,
	HEMBA1000826,	HEMBA1000827,	HEMBA1000835,	HEMBA1000840,	HEMBA1000848,
20	HEMBA1000870,	HEMBA1000887,	HEMBA1000890,	HEMBA1000893,	HEMBA1000908,
	HEMBA1000913,	HEMBA1000915,	HEMBA1000917,	HEMBA1000959,	HEMBA1000996,
	HEMBA1001024,	HEMBA1001037,	HEMBA1001102,	HEMBA1001112,	HEMBA1001114,
	HEMBA1001133,	HEMBA1001142,	HEMBA1001151,	HEMBA1001153,	HEMBA1001169,
25	HEMBA1001177,	HEMBA1001208,	HEMBA1001209,	HEMBA1001210,	HEMBA1001218,
	HEMBA1001234,	HEMBA1001267,	HEMBA1001271,	HEMBA1001289,	HEMBA1001294,
	HEMBA1001317,	HEMBA1001337,	HEMBA1001346,	HEMBA1001367,	HEMBA1001380,
	HEMBA1001384,	HEMBA1001426,	HEMBA1001429,	HEMBA1001436,	HEMBA1001443,
30	HEMBA1001449,	HEMBA1001463,	HEMBA1001521,	HEMBA1001527,	HEMBA1001535,
	HEMBA1001536,	HEMBA1001537,	HEMBA1001555,	HEMBA1001564,	HEMBA1001588,
	HEMBA1001619,	HEMBA1001653,	HEMBA1001704,	HEMBA1001706,	HEMBA1001707,
	HEMBA1001736,	HEMBA1001749,	HEMBA1001753,	HEMBA1001756,	HEMBA1001802,
	HEMBA1001812,	HEMBA1001816,	HEMBA1001834,	HEMBA1001836,	HEMBA1001850,
35	HEMBA1001863,	HEMBA1001869,	HEMBA1001880,	HEMBA1001910,	HEMBA1001911,
	HEMBA1001921,	HEMBA1001922,	HEMBA1001925,	HEMBA1001944,	HEMBA1001953,
	HEMBA1001962,	HEMBA1001967,	HEMBA1001973,	HEMBA1001983,	HEMBA1001990,
	HEMBA1001997,	HEMBA1002005,	HEMBA1002042,	HEMBA1002043,	HEMBA1002045,
40	HEMBA1002050,	HEMBA1002069,	HEMBA1002092,	HEMBA1002094,	HEMBA1002115,
	HEMBA1002134,	HEMBA1002139,	HEMBA1002142,	HEMBA1002189,	HEMBA1002190,
	HEMBA1002217,	HEMBA1002218,	HEMBA1002249,	HEMBA1002342,	HEMBA1002358,
	HEMBA1002359,	HEMBA1002364,	HEMBA1002381,	HEMBA1002409,	HEMBA1002425,
45	HEMBA1002442,	HEMBA1002453,	HEMBA1002457,	HEMBA1002495,	HEMBA1002520,
	HEMBA1002534,	HEMBA1002556,	HEMBA1002579,	HEMBA1002582,	HEMBA1002590,
	HEMBA1002596,	HEMBA1002600,	HEMBA1002601,	HEMBA1002603,	HEMBA1002607,
	HEMBA1002613,	HEMBA1002617,	HEMBA1002623,	HEMBA1002635,	HEMBA1002664,
50	HEMBA1002683,	HEMBA1002699,	HEMBA1002705,	MAMMA1000019,	MAMMA1000020,
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 Y79AA1001211, Y79AA1001216, Y79AA1001228, Y79AA1001236, Y79AA1001299,
 Y79AA1001394, Y79AA1001402, Y79AA1001511, Y79AA1001533, Y79AA1001548,
 Y79AA1001555, Y79AA1001581, Y79AA1001585, Y79AA1001603, Y79AA1001647,
 Y79AA1001665, Y79AA1001679, Y79AA1001711, Y79AA1001805, Y79AA1001827,
 Y79AA1001846, Y79AA1001866, Y79AA1001875, Y79AA1001923, Y79AA1001963,
 Y79AA1002089, Y79AA1002093, Y79AA1002115, Y79AA1002125, Y79AA1002209,
 Y79AA1002211, Y79AA1002220, Y79AA1002246, Y79AA1002258, Y79AA1002311,
 Y79AA1002351, Y79AA1002361, Y79AA1002472, Y79AA1002482

[0211] Signal ratios of EC_AGE_BSA to EC_BSA and of EC_glycated_BSA to EC_BSA were calculated for each gene. Genes with high signal ratios were selected. In the case of calculating the ratio of signal value of 40 or less to that of more than 40, such signal values were, for convenience, taken as 40 instead of the real values. When the ratio EC_AGE_BSA/EC_BSA is 2 or more, expression of the genes exhibiting such ratio is expected to be elevated due to advanced glycation endproduct of bovine serum albumin. The higher the value is, the higher the gene expression level is. When the ratio EC_AGE_BSA/EC_BSA ranges from 0.5 to 2, expression of the genes exhibiting such ratio is expected to be unaffected due to advanced glycation endproduct of bovine serum albumin. When the ratio EC_AGE_BSA/EC_BSA is less than 0.5, expression of the genes exhibiting such ratio value is expected to be decreased due to advanced glycation endproduct of bovine serum albumin. The lower the value is, the lower the gene expression level is.

[0212] Clone with EC_AGE_BSA/EC_BSA ratio of 2 or higher are as follows: HEMBA1003958, MAMMA1001256, PLACE2000411.

[0213] Clone with EC_AGE_BSA/EC_BSA ratio of 0.5 or less is as follows: MAMMA1001783.
 These cDNAs are associated with diabetes.

[0214] When the ratio EC_glycated_BSA/EC_BSA is 2 or more, the expression level of the gene exhibiting such ratio is expected to be elevated due to glycated bovine serum albumin. The higher the value is, the higher the gene expression level is. When the ratio EC_glycated_BSA/EC_BSA ranges from 0.5 to 2, the expression level of the gene exhibiting such ratio is expected to be unaffected with glycated bovine serum albumin. When the ratio EC_glycated_BSA/EC_BSA is less than 0.5, the expression level of a gene exhibiting such ratio is expected to be decreased due to glycated bovine serum albumin. The lower the value is, the lower the gene expression level is.

[0215] Clones with EC_glycated_BSA/EC_BSA ratio of 2 or more are as follows: HEMBA1004850, MAMMA1001256, MAMMA1002132 and PLACE3000119.

[0216] A clone with EC_glycated_BSA/EC_BSA ratio of 0.5 or less is as follows:
 MAMMA1001783.

[0217] These cDNAs are also associated with diabetes.

Analysis of genes associated with neural cell differentiation

[0218] Genes involved in neural cell differentiation are useful for treating neurological diseases. It is possible that genes with varying expression levels in response to induction of cellular differentiation in neural cells are associated with neurological diseases.

[0219] A survey was performed for genes of which expression levels are varied in response to induction of differentiation (stimulation by retinoic acid (RA)) in cultured cells of a neural strain, NT2.

[0220] The NT2 cells were treated basically according to supplier's instruction manual. "Undifferentiated NT2 cells" means NT2 cells successively cultured in an Opti-MEM I (GIBCO-BRL; catalog No. 31985) containing 10%(v/v) fetal bovine serum and 1%(v/v) penicillin-streptomycin (GIBCO BRL). "NT2 cells cultured in the presence of retinoic acid" means the cells resulted from transferring undifferentiated NT2 cells into a retinoic acid-containing medium, which consists of D-MEM (GIBCO BRL; catalog No. 11965), 10%(v/v) fetal bovine serum, 1%(v/v) penicillin-streptomycin and 10 μ M retinoic acid (GIBCO-BRL), and the subsequent successive culture therein for 5 weeks. "NT2 cells that were cultured in the presence of retinoic acid and then further cultured in the presence of cell-division inhibitor added" means NT2 cells resulted from transferring NT2 cells cultured in the presence of retinoic acid for 5 weeks into a cell-division inhibitor-containing medium, which consisted of D-MEM(GIBCO BRL; catalog No.11965), 10%(v/v) fetal bovine serum, 1%(v/v) penicillin-streptomycin, 10 μ M retinoic acid, 10 μ M FudR (5-fluoro-2'-deoxyuridine: GIBCO BRL), 10 μ M Urd (Uridine: GIBCO BRL) and 1 μ M araC (Cytosine β -D-Arabinofuranoside: GIBCO BRL), and the subsequent succes-

sive culture for 2 weeks. Each of the cells were treated with trypsin and then harvested. Total RNAs were extracted from the cells by using S.N.A.P.^(TM) Total RNA Isolation kit (Invitrogen^(r)). The labeling of probe used for hybridization was carried out by using 10 µg of the total RNA according to the same methods as described above. The data were obtained in triplicate (n=3). The data of signal value representing gene expression level in the cells in the presence of stimulation for inducing differentiation were compared with those in the absence of the stimulation. The comparison was performed by statistical treatment-of two-sample t-test. Clones with significant difference in the signal distribution were selected under the condition of $p < 0.05$. In this analysis, clones with the difference can be statistically detected even when the signals were low. Accordingly, clones with signal value of 40 or less were also assessed for the selection.

[0221] Tables 170-349 show the expression level of each cDNA in undifferentiated NT2 cells, NT2 cells cultured in the presence of RA, and NT2 cells that were cultured in the presence of RA and that were further cultured in the presence of cell-division inhibitor added.

[0222] Averaged signal values (M_1 , M_2) and sample variances (s_1^2 , s_2^2) were calculated for each gene in each of the cells, and then, the pooled sample variances s^2 were obtained from the sample variances of the two types of cells to be compared. The t values were determined according to the following formula: $t = (M_1 - M_2) / s / (1/3 + 1/3)^{1/2}$. When the determined t-value was greater than a t-value at P, which means the probability of significance level, of 0.05 or 0.01 in the t-distribution table with 4 degrees of freedom, the difference was judged to be found in the expression level of the gene between the two types of cells at $p < 0.05$ or $p < 0.01$, respectively. The tables also include the information on an increase (+) or decrease (-) in the expression level of a gene in the treated cells when the level is compared with that of untreated undifferentiated cells.

[0223] Clones of which expression levels increased by RA are as follows:

HEMBA1000005,	HEMBA1000042,	HEMBA1000046,	HEMBA1000076,	HEMBA1000111,	HEMBA1000141,
HEMBA1000150,	HEMBA1000185,	HEMBA1000282,	HEMBA1000304,	HEMBA1000307,	HEMBA1000338,
HEMBA1000357,	HEMBA1000376,	HEMBA1000387,	HEMBA1000392,	HEMBA1000428,	HEMBA1000456,
HEMBA1000459,	HEMBA1000469,	HEMBA1000504,	HEMBA1000508,	HEMBA1000519,	HEMBA1000540,
HEMBA1000545,	HEMBA1000557,	HEMBA1000563,	HEMBA1000568,	HEMBA1000575,	HEMBA1000588,
HEMBA1000592,	HEMBA1000604,	HEMBA1000622,	HEMBA1000655,	HEMBA1000673,	HEMBA1000682,
HEMBA1000726,	HEMBA1000727,	HEMBA1000749,	HEMBA1000769,	HEMBA1000774,	HEMBA1000791,
HEMBA1000822,	HEMBA1000872,	HEMBA1000876,	HEMBA1000910,	HEMBA1000942,	HEMBA1000943,
HEMBA1000960,	HEMBA1000972,	HEMBA1000974,	HEMBA1000991,	HEMBA1001008,	HEMBA1001020,
HEMBA1001043,	HEMBA1001051,	HEMBA1001060,	HEMBA1001071,	HEMBA1001077,	HEMBA1001085,
HEMBA1001094,	HEMBA1001109,	HEMBA1001121,	HEMBA1001122,	HEMBA1001140,	HEMBA1001172,
HEMBA1001226,	HEMBA1001235,	HEMBA1001265,	HEMBA1001281,	HEMBA1001294,	HEMBA1001299,
HEMBA1001319,	HEMBA1001323,	HEMBA1001330,	HEMBA1001351,	HEMBA1001361,	HEMBA1001377,
HEMBA1001388,	HEMBA1001391,	HEMBA1001398,	HEMBA1001432,	HEMBA1001435,	HEMBA1001442,
HEMBA1001454,	HEMBA1001455,	HEMBA1001497,	HEMBA1001517,	HEMBA1001569,	HEMBA1001570,
HEMBA1001581,	HEMBA1001585,	HEMBA1001620,	HEMBA1001711,	HEMBA1001718,	HEMBA1001723,
HEMBA1001761,	HEMBA1001815,	HEMBA1001819,	HEMBA1001861,	HEMBA1001864,	HEMBA1001869,
HEMBA1001888,	HEMBA1001915,	HEMBA1001918,	HEMBA1001940,	HEMBA1001964,	HEMBA1001967,
HEMBA1001979,	HEMBA1001987,	HEMBA1001991,	HEMBA1002008,	HEMBA1002022,	HEMBA1002039,
HEMBA1002049,	HEMBA1002084,	HEMBA1002102,	HEMBA1002113,	HEMBA1002144,	HEMBA1002160,
HEMBA1002162,	HEMBA1002185,	HEMBA1002212,	HEMBA1002226,	HEMBA1002229,	HEMBA1002267,
HEMBA1002270,	HEMBA1002337,	HEMBA1002381,	HEMBA1002458,	HEMBA1002477,	HEMBA1002508,
HEMBA1002558,	HEMBA1002561,	HEMBA1002583,	HEMBA1002590,	HEMBA1002628,	HEMBA1002645,
HEMBA1002661,	HEMBA1002678,	HEMBA1002712,	HEMBA1002728,	HEMBA1002780,	HEMBA1002850,
HEMBA1002886,	HEMBA1002934,	HEMBA1002935,	HEMBA1002939,	HEMBA1002951,	HEMBA1002968,
HEMBA1002970,	HEMBA1002973,	HEMBA1002999,	HEMBA1003021,	HEMBA1003033,	HEMBA1003034,
HEMBA1003064,	HEMBA1003067,	HEMBA1003078,	HEMBA1003086,	HEMBA1003096,	HEMBA1003129,
HEMBA1003142,	HEMBA1003148,	HEMBA1003166,	HEMBA1003175,	HEMBA1003197,	HEMBA1003199,
HEMBA1003202,	HEMBA1003204,	HEMBA1003212,	HEMBA1003235,	HEMBA1003250,	HEMBA1003273,
HEMBA1003276,	HEMBA1003278,	HEMBA1003291,	HEMBA1003309,	HEMBA1003322,	HEMBA1003328,
HEMBA1003348,	HEMBA1003369,	HEMBA1003376,	HEMBA1003384,	HEMBA1003395,	HEMBA1003463,
HEMBA1003480,	HEMBA1003531,	HEMBA1003548,	HEMBA1003591,	HEMBA1003595,	HEMBA1003597,
HEMBA1003617,	HEMBA1003621,	HEMBA1003622,	HEMBA1003637,	HEMBA1003640,	HEMBA1003645,
HEMBA1003646,	HEMBA1003656,	HEMBA1003679,	HEMBA1003692,	HEMBA1003715,	HEMBA1003720,
HEMBA1003725,	HEMBA1003729,	HEMBA1003758,	HEMBA1003803,	HEMBA1003805,	HEMBA1003836,
HEMBA1003838,	HEMBA1003879,	HEMBA1003885,	HEMBA1003893,	HEMBA1003908,	HEMBA1003937,
HEMBA1003942,	HEMBA1003953,	HEMBA1003958,	HEMBA1003959,	HEMBA1003978,	HEMBA1003987,
HEMBA1003989,	HEMBA1004000,	HEMBA1004011,	HEMBA1004012,	HEMBA1004015,	HEMBA1004024,

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	HEMBA1004049,	HEMBA1004056,	HEMBA1004111,	HEMBA1004132,	HEMBA1004143,	HEMBA1004164,
	HEMBA1004199,	HEMBA1004200,	HEMBA1004207,	HEMBA1004225,	HEMBA1004246,	HEMBA1004248,
	HEMBA1004267,	HEMBA1004289,	HEMBA1004312,	HEMBA1004323,	HEMBA1004335,	HEMBA1004353,
	HEMBA1004354,	HEMBA1004356,	HEMBA1004366,	HEMBA1004396,	HEMBA1004405,	HEMBA1004429,
5	HEMBA1004433,	HEMBA1004460,	HEMBA1004499,	HEMBA1004502,	HEMBA1004506,	HEMBA1004534,
	HEMBA1004538,	HEMBA1004573,	HEMBA1004577,	HEMBA1004586,	HEMBA1004610,	HEMBA1004629,
	HEMBA1004666,	HEMBA1004669,	HEMBA1004672,	HEMBA1004709,	HEMBA1004733,	HEMBA1004736,
	HEMBA1004748,	HEMBA1004751,	HEMBA1004758,	HEMBA1004763,	HEMBA1004768,	HEMBA1004770,
	HEMBA1004778,	HEMBA1004803,	HEMBA1004820,	HEMBA1004847,	HEMBA1004863,	HEMBA1004880,
10	HEMBA1004909,	HEMBA1004918,	HEMBA1004923,	HEMBA1004930,	HEMBA1004934,	HEMBA1004944,
	HEMBA1004954,	HEMBA1004980,	HEMBA1005035,	HEMBA1005039,	HEMBA1005075,	HEMBA1005079,
	HEMBA1005113,	HEMBA1005123,	HEMBA1005133,	HEMBA1005149,	HEMBA1005152,	HEMBA1005219,
	HEMBA1005223,	HEMBA1005232,	HEMBA1005251,	HEMBA1005274,	HEMBA1005275,	HEMBA1005304,
	HEMBA1005311,	HEMBA1005314,	HEMBA1005359,	HEMBA1005367,	HEMBA1005374,	HEMBA1005410,
15	HEMBA1005411,	HEMBA1005423,	HEMBA1005426,	HEMBA1005443,	HEMBA1005447,	HEMBA1005474,
	HEMBA1005508,	HEMBA1005511,	HEMBA1005520,	HEMBA1005526,	HEMBA1005548,	HEMBA1005552,
	HEMBA1005576,	HEMBA1005581,	HEMBA1005582,	HEMBA1005583,	HEMBA1005588,	HEMBA1005595,
	HEMBA1005609,	HEMBA1005616,	HEMBA1005627,	HEMBA1005631,	HEMBA1005666,	HEMBA1005670,
	HEMBA1005679,	HEMBA1005699,	HEMBA1005705,	HEMBA1005765,	HEMBA1005780,	HEMBA1005822,
20	HEMBA1005829,	HEMBA1005834,	HEMBA1005853,	HEMBA1005891,	HEMBA1005894,	HEMBA1005911,
	HEMBA1005921,	HEMBA1005991,	HEMBA1005999,	HEMBA1006036,	HEMBA1006042,	HEMBA1006100,
	HEMBA1006138,	HEMBA1006142,	HEMBA1006268,	HEMBA1006278,	HEMBA1006328,	HEMBA1006344,
	HEMBA1006359,	HEMBA1006398,	HEMBA1006416,	HEMBA1006419,	HEMBA1006421,	HEMBA1006426,
	HEMBA1006438,	HEMBA1006483,	HEMBA1006485,	HEMBA1006502,	HEMBA1006507,	HEMBA1006546,
25	HEMBA1006559,	HEMBA1006562,	HEMBA1006579,	HEMBA1006597,	HEMBA1006612,	HEMBA1006617,
	HEMBA1006631,	HEMBA1006635,	HEMBA1006652,	HEMBA1006695,	HEMBA1006744,	HEMBA1006754,
	HEMBA1006779,	HEMBA1006780,	HEMBA1006795,	HEMBA1006821,	HEMBA1006865,	HEMBA1006926,
	HEMBA1006973,	HEMBA1007017,	HEMBA1007052,	HEMBA1007080,	HEMBA1007085,	HEMBA1007113,
	HEMBA1007121,	HEMBA1007147,	HEMBA1007149,	HEMBA1007206,	HEMBA1007224,	HEMBA1007256,
30	HEMBA1007267,	HEMBA1007288,	HEMBA1007327,	HEMBA1007341,	HEMBA1007347,	
	HEMBA1000005,	HEMBA1000008,	HEMBA1000018,	HEMBA1000024,	HEMBA1000030,	HEMBA1000039,
	HEMBA1000048,	HEMBA1000054,	HEMBA1000059,	HEMBA1000083,	HEMBA1000089,	HEMBA1000099,
	HEMBA1000113,	HEMBA1000141,	HEMBA1000144,	HEMBA1000173,	HEMBA1000175,	HEMBA1000215,
	HEMBA1000218,	HEMBA1000258,	HEMBA1000264,	HEMBA1000272,	HEMBA1000307,	HEMBA1000338,
35	HEMBA1000339,	HEMBA1000343,	HEMBA1000354,	HEMBA1000374,	HEMBA1000376,	HEMBA1000420,
	HEMBA1000434,	HEMBA1000441,	HEMBA1000449,	HEMBA1000490,	HEMBA1000491,	HEMBA1000523,
	HEMBA1000530,	HEMBA1000550,	HEMBA1000554,	HEMBA1000573,	HEMBA1000575,	HEMBA1000593,
	HEMBA1000598,	HEMBA1000638,	HEMBA1000643,	HEMBA1000649,	HEMBA1000671,	HEMBA1000684,
	HEMBA1000709,	HEMBA1000726,	HEMBA1000770,	HEMBA1000774,	HEMBA1000790,	HEMBA1000835,
40	HEMBA1000840,	HEMBA1000848,	HEMBA1000870,	HEMBA1000883,	HEMBA1000887,	HEMBA1000890,
	HEMBA1000910,	HEMBA1000917,	HEMBA1000959,	HEMBA1000985,	HEMBA1000996,	HEMBA1001004,
	HEMBA1001020,	HEMBA1001024,	HEMBA1001037,	HEMBA1001060,	HEMBA1001096,	HEMBA1001114,
	HEMBA1001117,	HEMBA1001142,	HEMBA1001153,	HEMBA1001177,	HEMBA1001210,	HEMBA1001218,
	HEMBA1001242,	HEMBA1001267,	HEMBA1001289,	HEMBA1001346,	HEMBA1001348,	HEMBA1001364,
45	HEMBA1001366,	HEMBA1001369,	HEMBA1001380,	HEMBA1001387,	HEMBA1001394,	HEMBA1001426,
	HEMBA1001436,	HEMBA1001454,	HEMBA1001463,	HEMBA1001521,	HEMBA1001535,	HEMBA1001537,
	HEMBA1001555,	HEMBA1001585,	HEMBA1001603,	HEMBA1001619,	HEMBA1001668,	HEMBA1001685,
	HEMBA1001695,	HEMBA1001704,	HEMBA1001706,	HEMBA1001707,	HEMBA1001735,	HEMBA1001747,
	HEMBA1001749,	HEMBA1001760,	HEMBA1001812,	HEMBA1001816,	HEMBA1001831,	HEMBA1001836,
50	HEMBA1001850,	HEMBA1001863,	HEMBA1001867,	HEMBA1001908,	HEMBA1001910,	HEMBA1001911,
	HEMBA1001915,	HEMBA1001921,	HEMBA1001930,	HEMBA1001944,	HEMBA1001952,	HEMBA1001957,
	HEMBA1001967,	HEMBA1001988,	HEMBA1001997,	HEMBA1002005,	HEMBA1002042,	HEMBA1002043,
	HEMBA1002045,	HEMBA1002049,	HEMBA1002069,	HEMBA1002094,	HEMBA1002139,	HEMBA1002152,
	HEMBA1002189,	HEMBA1002217,	HEMBA1002232,	HEMBA1002249,	HEMBA1002254,	HEMBA1002266,
55	HEMBA1002280,	HEMBA1002306,	HEMBA1002364,	HEMBA1002371,	HEMBA1002409,	HEMBA1002425,
	HEMBA1002453,	HEMBA1002492,	HEMBA1002520,	HEMBA1002556,	HEMBA1002582,	HEMBA1002590,
	HEMBA1002607,	HEMBA1002614,	HEMBA1002617,	HEMBA1002623,	HEMBA1002635,	HEMBA1002677,
	HEMBA1002683,	HEMBA1002684,	HEMBA1002697,	HEMBA1002699,	HEMBA1002705,	

	MAMMA1000009,	MAMMA1000043,	MAMMA1000045,	MAMMA1000084,	MAMMA1000103,	MAMMA1000134,
	MAMMA1000139,	MAMMA1000143,	MAMMA1000171,	MAMMA1000241,	MAMMA1000251,	MAMMA1000254,
	MAMMA1000257,	MAMMA1000264,	MAMMA1000266,	MAMMA1000270,	MAMMA1000279,	MAMMA1000287,
	MAMMA1000340,	MAMMA1000348,	MAMMA1000360,	MAMMA1000361,	MAMMA1000372,	MAMMA1000385,
5	MAMMA1000402,	MAMMA1000424,	MAMMA1000478,	MAMMA1000500,	MAMMA1000522,	MAMMA1000524,
	MAMMA1000565,	MAMMA1000567,	MAMMA1000576,	MAMMA1000585,	MAMMA1000594,	MAMMA1000597,
	MAMMA1000605,	MAMMA1000616,	MAMMA1000643,	MAMMA1000664,	MAMMA1000669,	MAMMA1000696,
	MAMMA1000718,	MAMMA1000723,	MAMMA1000731,	MAMMA1000744,	MAMMA1000746,	MAMMA1000752,
	MAMMA1000760,	MAMMA1000761,	MAMMA1000776,	MAMMA1000802,	MAMMA1000824,	MAMMA1000839,
10	MAMMA1000880,	MAMMA1000905,	MAMMA1000931,	MAMMA1000940,	MAMMA1000941,	MAMMA1000943,
	MAMMA1000957,	MAMMA1000962,	MAMMA1000968,	MAMMA1000987,	MAMMA1000998,	MAMMA1001003,
	MAMMA1001035,	MAMMA1001038,	MAMMA1001067,	MAMMA1001078,	MAMMA1001092,	MAMMA1001126,
	MAMMA1001133,	MAMMA1001139,	MAMMA1001161,	MAMMA1001186,	MAMMA1001202,	MAMMA1001206,
	MAMMA1001220,	MAMMA1001243,	MAMMA1001268,	MAMMA1001274,	MAMMA1001296,	MAMMA1001298,
15	MAMMA1001305,	MAMMA1001343,	MAMMA1001383,	MAMMA1001397,	MAMMA1001419,	MAMMA1001420,
	MAMMA1001435,	MAMMA1001442,	MAMMA1001663,	MAMMA1001670,	MAMMA1001683,	MAMMA1001692,
	MAMMA1001740,	MAMMA1001745,	MAMMA1001754,	MAMMA1001768,	MAMMA1001769,	MAMMA1001783,
	MAMMA1001785,	MAMMA1001806,	MAMMA1001890,	MAMMA1001907,	MAMMA1001969,	MAMMA1002009,
	MAMMA1002032,	MAMMA1002056,	MAMMA1002058,	MAMMA1002125,	MAMMA1002132,	MAMMA1002140,
20	MAMMA1002155,	MAMMA1002158,	MAMMA1002174,	MAMMA1002198,	MAMMA1002230,	MAMMA1002293,
	MAMMA1002310,	MAMMA1002311,	MAMMA1002322,	MAMMA1002339,	MAMMA1002359,	MAMMA1002384,
	MAMMA1002428,	MAMMA1002434,	MAMMA1002475,	MAMMA1002494,	MAMMA1002545,	MAMMA1002573,
	MAMMA1002603,	MAMMA1002619,	MAMMA1002622,	MAMMA1002623,	MAMMA1002625,	MAMMA1002662,
	MAMMA1002698,	MAMMA1002701,	MAMMA1002708,	MAMMA1002721,	MAMMA1002744,	MAMMA1002764,
25	MAMMA1002769,	MAMMA1002820,	MAMMA1002830,	MAMMA1002833,	MAMMA1002868,	MAMMA1002871,
	MAMMA1002892,	MAMMA1002895,	MAMMA1002908,	MAMMA1002909,	MAMMA1002930,	MAMMA1002941,
	MAMMA1002964,	MAMMA1002970,	MAMMA1002973,	MAMMA1002987,	MAMMA1003004,	MAMMA1003040,
	MAMMA1003066,	MAMMA1003089,				
	NT2RM1000039,	NT2RM1000672,	NT2RM1000691,	NT2RM1000725,	NT2RM1000781,	NT2RM1000829,
30	NT2RM1000882,	NT2RM1001105,	NT2RM2000013,	NT2RM2000374,	NT2RM2000420,	NT2RM2000452,
	NT2RM2000504,	NT2RM2000609,	NT2RM2000635,	NT2RM2000735,	NT2RM2000795,	NT2RM2000821,
	NT2RM2001035,	NT2RM2001105,	NT2RM2001141,	NT2RM2001177,	NT2RM2001196,	NT2RM2001306,
	NT2RM2001524,	NT2RM2001582,	NT2RM2001588,	NT2RM2001592,	NT2RM2001605,	NT2RM2001632,
	NT2RM2001637,	NT2RM2001648,	NT2RM2001668,	NT2RM2001671,	NT2RM2001675,	NT2RM2001681,
35	NT2RM2001695,	NT2RM2001699,	NT2RM2001706,	NT2RM2001723,	NT2RM2001753,	NT2RM2001771,
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5	OVARC1000679,	OVARC1000682,	OVARC1000700,	OVARC1000703,	OVARC1000746,	OVARC1000769,
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	THYRO1000381,	THYRO1000387,	THYRO1000394,	THYRO1000488,	THYRO1000585,	THYRO1000625,
	THYRO1000637,	THYRO1000658,	THYRO1000666,	THYRO1000676,	THYRO1000684,	THYRO1000712,
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25	THYRO1000916,	THYRO1000934,	THYRO1000974,	THYRO1000975,	THYRO1001031,	THYRO1001062,
	THYRO1001093,	THYRO1001133,	THYRO1001173,	THYRO1001177,		
	THYRO1001189,	THYRO1001204,	THYRO1001213,	THYRO1001262,	THYRO1001290,	THYRO1001320,
	THYRO1001322,	THYRO1001401,	THYRO1001406,	THYRO1001426,	THYRO1001480,	THYRO1001487,
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30	THYRO1001828,	THYRO1001854,	Y79AA1000059,	Y79AA1000214,	Y79AA1000355,	Y79AA1000410,
	Y79AA1000538,	Y79AA1000539,	Y79AA1000705,	Y79AA1000800,	Y79AA1000850,	Y79AA1000962,
	Y79AA1000976,	Y79AA1001061,	Y79AA1001068,	Y79AA1001493,	Y79AA1001548,	Y79AA1001585,
	Y79AA1001594,	Y79AA1001696,	Y79AA1001711,	Y79AA1002103,	Y79AA1002115,	Y79AA1002258,
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35	[0224] Clones of which expression levels decreased by RA are as follows:					
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	NT2RP2005491,	NT2RP3000980,	NT2RP3002081,	NT2RP3004594,	NT2RP4001950,	NT2RP4002408,
	OVARC1000431,	OVARC1001942,	OVARC1001943,	PLACE1003190,	PLACE1004868,	PLACE1005923,
40	PLACE1007257,	PLACE1010624,	Y79AA1000346,			
	[0225] Clones of which expression levels increase by RA/inhibitor are as follows:					
	HEMBA1000046,	HEMBA1000307,	HEMBA1000434,	HEMBA1000504,	HEMBA1000588,	HEMBA1000682,
	HEMBA1000726,	HEMBA1000943,	HEMBA1001071,	HEMBA1001094,	HEMBA1001122,	HEMBA1001323,
	HEMBA1001361,	HEMBA1001455,	HEMBA1001709,	HEMBA1001746,	HEMBA1001869,	HEMBA1002084,
45	HEMBA1002583,	HEMBA1002628,	HEMBA1002801,	HEMBA1002937,	HEMBA1003096,	HEMBA1003142,
	HEMBA1003229,	HEMBA1003276,	HEMBA1003309,	HEMBA1003463,	HEMBA1003597,	HEMBA1003617,
	HEMBA1003725,	HEMBA1003803,	HEMBA1003879,	HEMBA1003989,	HEMBA1004000,	HEMBA1004015,
	HEMBA1004024,	HEMBA1004049,	HEMBA1004056,	HEMBA1004199,	HEMBA1004248,	HEMBA1004356,
	HEMBA1004554,	HEMBA1004666,	HEMBA1004725,	HEMBA1004770,	HEMBA1004803,	HEMBA1004923,
50	HEMBA1004934,	HEMBA1004954,	HEMBA1005039,	HEMBA1005075,	HEMBA1005113,	HEMBA1005219,
	HEMBA1005232,	HEMBA1005251,	HEMBA1005304,	HEMBA1005367,	HEMBA1005372,	HEMBA1005403,
	HEMBA1005410,	HEMBA1005411,	HEMBA1005548,	HEMBA1005581,	HEMBA1005631,	HEMBA1005666,
	HEMBA1005755,	HEMBA1005780,	HEMBA1006067,	HEMBA1006130,	HEMBA1006364,	HEMBA1006485,
	HEMBA1006559,	HEMBA1006579,	HEMBA1006754,	HEMBA1000059,	HEMBA10000575,	HEMBA1000709,
55	HEMBA1000822,	HEMBA1000848,	HEMBA1000852,	HEMBA1000913,	HEMBA1000985,	HEMBA1001117,
	HEMBA1001210,	HEMBA1001317,	HEMBA1001394,	HEMBA1001443,	HEMBA1001668,	HEMBA1001695,
	HEMBA1002049,	HEMBA1002254,	HEMBA1002266,	HEMBA1002371,	HEMBA1002502,	HEMBA1002614,
	HEMBA1002617,	HEMBA1002692,	HEMBA1002697,	MAMMA1000241,	MAMMA1000424,	MAMMA1000616,

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	MAMMA1000731,	MAMMA1000824,	MAMMA1000908,	MAMMA1000956,	MAMMA1001038,	MAMMA1001091,
	MAMMA1001243,	MAMMA1001815,	MAMMA1001820,	MAMMA1002267,	MAMMA1002769,	MAMMA1002871,
	MAMMA1002941,	NT2RM1000355,	NT2RM1000725,	NT2RM1000829,	NT2RM1000850,	NT2RM1000898,
	NT2RM2000504,	NT2RM2000635,	NT2RM2000718,	NT2RM2000821,	NT2RM2001370,	NT2RM2001582,
5	NT2RM2001592,	NT2RM2001613,	NT2RM2001632,	NT2RM2001635,	NT2RM2001648,	NT2RM2001659,
	NT2RM2001671,	NT2RM2001695,	NT2RM2001760,	NT2RM2001782,	NT2RM2001839,	NT2RM2001879,
	NT2RM2001983,	NT2RM4000104,	NT2RM4000290,	NT2RM4000425,	NT2RM4000433,	NT2RM4000471,
	NT2RM4000531,	NT2RM4000852,	NT2RM4001047,	NT2RM4001347,	NT2RM4001454,	NT2RM4001557,
	NT2RM4001566,	NT2RM4001582,	NT2RM4001938,	NT2RM4001953,	NT2RM4002018,	NT2RM4002409,
10	NT2RM4002558,	NT2RM4002594,	NT2RP1000259,	NT2RP1000418,	NT2RP1000574,	NT2RP1000629,
	NT2RP1000782,	NT2RP1000856,	NT2RP1000943,	NT2RP1000988,	NT2RP1001013,	NT2RP1001173,
	NT2RP1001546,	NT2RP2000091,	NT2RP2000208,	NT2RP2000274,	NT2RP2000329,	NT2RP2000369,
	NT2RP2000634,	NT2RP2000842,	NT2RP2000943,	NT2RP2000987,	NT2RP2001094,	NT2RP2001277,
	NT2RP2001290,	NT2RP2001366,	NT2RP2001423,	NT2RP2001436,	NT2RP2001467,	NT2RP2001506,
15	NT2RP2001601,	NT2RP2001663,	NT2RP2001926,	NT2RP2001985,	NT2RP2002032,	NT2RP2002041,
	NT2RP2002046,	NT2RP2002078,	NT2RP2002124,	NT2RP2002185,	NT2RP2002193,	NT2RP2002312,
	NT2RP2002316,	NT2RP2002426,	NT2RP2002457,	NT2RP2002475,	NT2RP2002520,	NT2RP2002595,
	NT2RP2002643,	NT2RP2002672,	NT2RP2002701,	NT2RP2002710,	NT2RP2002727,	NT2RP2003099,
	NT2RP2003121,	NT2RP2003137,	NT2RP2003158,	NT2RP2003206,	NT2RP2003230,	NT2RP2003272,
20	NT2RP2003280,	NT2RP2003347,	NT2RP2003393,	NT2RP2003401,	NT2RP2003445,	NT2RP2003456,
	NT2RP2003511,	NT2RP2003517,	NT2RP2003543,	NT2RP2003596,	NT2RP2003706,	NT2RP2003871,
	NT2RP2004681,	NT2RP2004743,	NT2RP2004775,	NT2RP2004933,	NT2RP2004967,	NT2RP2005003,
	NT2RP2005270,	NT2RP2005289,	NT2RP2005344,	NT2RP2005453,	NT2RP2005555,	NT2RP2005767,
	NT2RP2005853,	NT2RP2006043,	NT2RP2006393,	NT2RP2006436,	NT2RP2006441,	NT2RP2006467,
25	NT2RP2006534,	NT2RP2006565,	NT2RP3000348,	NT2RP3000359,	NT2RP3000366,	NT2RP3000403,
	NT2RP3000418,	NT2RP3000441,	NT2RP3000561,	NT2RP3000759,	NT2RP3000826,	NT2RP3001007,
	NT2RP3001096,	NT2RP3001126,	NT2RP3001355,	NT2RP3001396,	NT2RP3001449,	NT2RP3001490,
	NT2RP3001679,	NT2RP3001727,	NT2RP3001752,	NT2RP3001777,	NT2RP3001782,	NT2RP3001799,
	NT2RP3001854,	NT2RP3001989,	NT2RP3002142,	NT2RP3002248,	NT2RP3002343,	NT2RP3002484,
30	NT2RP3002529,	NT2RP3002549,	NT2RP3002628,	NT2RP3002687,	NT2RP3002688,	NT2RP3002810,
	NT2RP3003032,	NT2RP3003139,	NT2RP3003193,	NT2RP3003203,	NT2RP3003204,	NT2RP3003210,
	NT2RP3003212,	NT2RP3003264,	NT2RP3003282,	NT2RP3003500,	NT2RP3004041,	NT2RP3004215,
	NT2RP4000147,	NT2RP4000259,	NT2RP4000360,	NT2RP4000448,	NT2RP4000524,	NT2RP4000588,
	NT2RP4000879,	NT2RP4000907,	NT2RP4000989,	NT2RP4001079,	NT2RP4001150,	NT2RP4001219,
35	NT2RP4001260,	NT2RP4001274,	NT2RP4001353,	NT2RP4001547,	NT2RP4001677,	NT2RP4002052,
	OVARC1000006,	OVARC1000092,	OVARC1000321,	OVARC1000384,	OVARC1000408,	OVARC1000414,
	OVARC1000520,	OVARC1000526,	OVARC1000588,	OVARC1000679,	OVARC1000682,	OVARC1000769,
	OVARC1000850,	OVARC1000862,	OVARC1000886,	OVARC1000984,	OVARC1001000,	OVARC1001004,
	OVARC1001154,	OVARC1001170,	OVARC1001173,	OVARC1001200,	OVARC1001268,	OVARC1001376,
40	OVARC1001419,	OVARC1001425,	OVARC1001476,	OVARC1001480,	OVARC1001542,	OVARC1001873,
	OVARC1001928,	OVARC1001987,	OVARC1002066,	OVARC1002082,	OVARC1002112,	OVARC1002127,
	PLACE1000014,	PLACE1000048,	PLACE1000184,	PLACE1000185,	PLACE1000246,	PLACE1000292,
	PLACE1000332,	PLACE1000347,	PLACE1000564,	PLACE1000656,	PLACE1000712,	PLACE1001000,
	PLACE1001168,	PLACE1001185,	PLACE1001241,	PLACE1001294,	PLACE1001311,	PLACE1001395,
45	PLACE1001570,	PLACE1001608,	PLACE1001610,	PLACE1001716,	PLACE1001746,	PLACE1001817,
	PLACE1001821,	PLACE1001844,	PLACE1001897,	PLACE1002066,	PLACE1002119,	PLACE1002157,
	PLACE1002205,	PLACE1002256,	PLACE1002259,	PLACE1002399,	PLACE1002438,	PLACE1002474,
	PLACE1002477,	PLACE1002500,	PLACE1002514,	PLACE1002578,	PLACE1002815,	PLACE1002851,
	PLACE1002968,	PLACE1003108,	PLACE1003174,	PLACE1003200,	PLACE1003238,	PLACE1003256,
50	PLACE1003334,	PLACE1003342,	PLACE1003516,	PLACE1003521,	PLACE1003537,	PLACE1003592,
	PLACE1003596,	PLACE1003723,	PLACE1003760,	PLACE1003771,	PLACE1003783,	PLACE1003795,
	PLACE1003892,	PLACE1003968,	PLACE1004103,	PLACE1004256,	PLACE1004405,	PLACE1004460,
	PLACE1004506,	PLACE1004629,	PLACE1004674,	PLACE1004813,	PLACE1004979,	PLACE1005066,
	PLACE1005101,	PLACE1005102,	PLACE1005128,	PLACE1005181,	PLACE1005287,	PLACE1005305,
55	PLACE1005327,	PLACE1005477,	PLACE1005595,	PLACE1005603,	PLACE1005666,	PLACE1005804,
	PLACE1005884,	PLACE1005934,	PLACE1006076,	PLACE1006119,	PLACE1006159,	PLACE1006164,
	PLACE1006170,	PLACE1006382,	PLACE1006492,	PLACE1006629,	PLACE1006704,	PLACE1006731,
	PLACE1006760,	PLACE1006779,	PLACE1006795,	PLACE1006805,	PLACE1006962,	PLACE1007045,

PLACE1007111, PLACE1007282, PLACE1007386, PLACE1007416, PLACE1007484, PLACE1007544,
 PLACE1007645, PLACE1007743, PLACE1007746, PLACE1007807, PLACE1007858, PLACE1008002,
 PLACE1008181, PLACE1008273, PLACE1008368, PLACE1008405, PLACE1008532, PLACE1008568,
 PLACE1008625, PLACE1008696, PLACE1008867, PLACE1009027, PLACE1009039, PLACE1009045,
 5 PLACE1009110, PLACE1009298, PLACE1009328, PLACE1009581, PLACE1009621, PLACE1009622,
 PLACE1009637, PLACE1009925, PLACE1009935, PLACE1010089, PLACE1010106, PLACE1010152,
 PLACE1010274, PLACE1010491, PLACE1010629, PLACE1010630, PLACE1010714, PLACE1010739,
 PLACE1010891, PLACE1010896, PLACE1010925, PLACE1010965, PLACE1011026, PLACE1011046,
 PLACE1011214, PLACE1011399, PLACE1011433, PLACE1011492, PLACE1011641, PLACE1011649,
 10 PLACE1011719, PLACE1011762, PLACE1011858, PLACE1011923, PLACE2000014, PLACE2000039,
 PLACE2000216, PLACE2000302, PLACE2000317, PLACE2000342, PLACE2000347, PLACE2000379,
 PLACE3000121, PLACE3000124, PLACE3000160, PLACE3000242, PLACE3000271, PLACE3000353,
 PLACE3000362, PLACE3000365, PLACE3000400, PLACE3000401, PLACE4000034, PLACE4000089,
 PLACE4000522, PLACE4000558,
 15 SKNMC1000050, THYRO1000040, THYRO1000197, THYRO1000241, THYRO1000327, THYRO1000394,
 THYRO1000488, THYRO1000501, THYRO1000585, THYRO1000596, THYRO1000625, THYRO1000805,
 THYRO1000934, THYRO1001133, THYRO1001134, THYRO1001173, THYRO1001213, THYRO1001262,
 THYRO1001290, THYRO1001721, Y79AA1000037, Y79AA1000800, Y79AA1000976, Y79AA1001078,
 Y79AA1001228, Y79AA1001299, Y79AA1001402, Y79AA1001585, Y79AA1001696, Y79AA1001711,
 20 Y79AA1001827, Y79AA1001875, Y79AA1002027, Y79AA1002211, Y79AA1002234,
 Y79AA1002258.

[0226] Clones of which expression levels decrease by RA/inhibitor are as follows:

HEMBA1000012, HEMBA1000501, HEMBA1000946, HEMBA1003220, HEMBA1003403, HEMBA1003569,
 HEMBA1003591, HEMBA1003926, HEMBA1004168, HEMBA1004507, HEMBA1005009, HEMBA1005296,
 25 HEMBA1005528, HEMBA1005570, HEMBA1006467, HEMBA1006486, HEMBA1006492, HEMBA1007322,
 HEMBB1000055, HEMBB1000244, HEMBB1001665, MAMMA1000684, MAMMA1001139, MAMMA1001743,
 NT2RM1000257, NT2RM1000318, NT2RM1000539, NT2RM1000666, NT2RM2000092, NT2RM2000192,
 NT2RM2000371, NT2RM2000594, NT2RM4000511, NT2RM4001140, NT2RM4001754, NT2RM4001905,
 NT2RM4001940, NT2RM4002593, NT2RP1000086, NT2RP1000439, NT2RP1001073, NT2RP2000098,
 30 NT2RP2000965, NT2RP2001397, NT2RP2002047, NT2RP2004226, NT2RP2004396, NT2RP2004655,
 NT2RP2005126, NT2RP2005464, NT2RP2005712, NT2RP2005859, NT2RP2005890, NT2RP3000980,
 NT2RP3001383, NT2RP3001621, NT2RP3002081, NT2RP3002181, NT2RP3002244, NT2RP3002590,
 NT2RP3003059, NT2RP3004258, NT2RP3004378, NT2RP3004527, NT2RP3004594, NT2RP4001760,
 NT2RP4001950, NT2RP4002047, NT2RP4002408, NT2RP5003459, OVARC1000004, OVARC1000035,
 35 OVARC1000431, OVARC1001051, OVARC1001129, OVARC1001176, OVARC1001261, OVARC1001342,
 OVARC1001942, OVARC1001943, PLACE1002171, PLACE1002465, PLACE1003190, PLACE1003375,
 PLACE1004128, PLACE1005026, PLACE1005876, PLACE1005923, PLACE1007257, PLACE1007375,
 PLACE1007507, PLACE1008941, PLACE1010624, PLACE1011090, PLACE1011219, THYRO1000270,
 Y79AA1000346, Y79AA1001541.

40 **[0227]** Clones of which expression levels increase in the presence of both RA and RA/inhibitor are as follows:

HEMBA1000046, HEMBA1000307, HEMBA1000504, HEMBA1000588, HEMBA1000682, HEMBA1000726,
 HEMBA1000943, HEMBA1001071, HEMBA1001094, HEMBA1001122, HEMBA1001323, HEMBA1001361,
 HEMBA1001455, HEMBA1001869, HEMBA1002084, HEMBA1002583, HEMBA1002628, HEMBA1003096,
 HEMBA1003142, HEMBA1003276, HEMBA1003309, HEMBA1003463, HEMBA1003597, HEMBA1003617,
 45 HEMBA1003725, HEMBA1003803, HEMBA1003879, HEMBA1003989, HEMBA1004000, HEMBA1004015,
 HEMBA1004024, HEMBA1004049, HEMBA1004056, HEMBA1004199, HEMBA1004248, HEMBA1004356,
 HEMBA1004666, HEMBA1004770, HEMBA1004803, HEMBA1004923, HEMBA1004934, HEMBA1004954,
 HEMBA1005039, HEMBA1005075, HEMBA1005113, HEMBA1005219, HEMBA1005232, HEMBA1005251,
 HEMBA1005304, HEMBA1005367, HEMBA1005410, HEMBA1005411, HEMBA1005548, HEMBA1005581,
 50 HEMBA1005631, HEMBA1005666, HEMBA1005780, HEMBA1006485, HEMBA1006559, HEMBA1006579,
 HEMBA1006754, HEMBB1000059, HEMBB1000575, HEMBB1000709, HEMBB1000848, HEMBB1000985,
 HEMBB1001117, HEMBB1001210, HEMBB1001394, HEMBB1001668, HEMBB1001695, HEMBB1002049,
 HEMBB1002254, HEMBB1002266, HEMBB1002371, HEMBB1002614, HEMBB1002617, HEMBB1002697,
 MAMMA1000241, MAMMA1000424, MAMMA1000616, MAMMA1000731, MAMMA1000824, MAMMA1001038,
 55 MAMMA1001243, MAMMA1002769, MAMMA1002871, MAMMA1002941,
 NT2RM1000725, NT2RM1000829, NT2RM2000504, NT2RM2000635, NT2RM2000821, NT2RM2001582,
 NT2RM2001592, NT2RM2001632, NT2RM2001648, NT2RM2001671, NT2RM2001695, NT2RM2001879,
 NT2RM4000290, NT2RM4000425, NT2RM4000471, NT2RM4000531, NT2RM4000852, NT2RM4001047,

	NT2RM4001454,	NT2RM4001557,	NT2RM4001566,	NT2RM4001582,	NT2RM4001953,	NT2RM4002409,
	NT2RM4002558,	NT2RM4002594,	NT2RP1000259,	NT2RP1000418,	NT2RP1000574,	NT2RP1000782,
	NT2RP1000856,	NT2RP1000943,	NT2RP1000988,	NT2RP1001013,	NT2RP1001173,	NT2RP1001546,
	NT2RP2000091,	NT2RP2000208,	NT2RP2000274,	NT2RP2000329,	NT2RP2000369,	NT2RP2000634,
5	NT2RP2000987,	NT2RP2001277,	NT2RP2001290,	NT2RP2001366,	NT2RP2001423,	NT2RP2001436,
	NT2RP2001467,	NT2RP2001506,	NT2RP2001601,	NT2RP2001926,	NT2RP2001985,	NT2RP2002041,
	NT2RP2002046,	NT2RP2002078,	NT2RP2002124,	NT2RP2002193,	NT2RP2002312,	NT2RP2002316,
	NT2RP2002426,	NT2RP2002457,	NT2RP2002475,	NT2RP2002520,	NT2RP2002595,	NT2RP2002672,
	NT2RP2002701,	NT2RP2003099,	NT2RP2003137,	NT2RP2003206,	NT2RP2003230,	NT2RP2003272,
10	NT2RP2003280,	NT2RP2003393,	NT2RP2003445,	NT2RP2003456,	NT2RP2003596,	NT2RP2003871,
	NT2RP2004681,	NT2RP2004743,	NT2RP2004775,	NT2RP2004933,	NT2RP2004967,	NT2RP2005003,
	NT2RP2005289,	NT2RP2005453,	NT2RP2005555,	NT2RP2005767,	NT2RP2005853,	NT2RP2006043,
	NT2RP2006393,	NT2RP2006436,	NT2RP2006441,	NT2RP2006467,	NT2RP2006565,	NT2RP3000359,
	NT2RP3000366,	NT2RP3000403,	NT2RP3000418,	NT2RP3000441,	NT2RP3000561,	NT2RP3000759,
15	NT2RP3001007,	NT2RP3001126,	NT2RP3001355,	NT2RP3001396,	NT2RP3001449,	NT2RP3001490,
	NT2RP3001679,	NT2RP3001752,	NT2RP3001782,	NT2RP3001799,	NT2RP3001989,	NT2RP3002142,
	NT2RP3002248,	NT2RP3002343,	NT2RP3002484,	NT2RP3002529,	NT2RP3002549,	NT2RP3002687,
	NT2RP3003032,	NT2RP3003139,	NT2RP3003193,	NT2RP3003204,	NT2RP3003210,	NT2RP3003212,
	NT2RP3003264,	NT2RP3003282,	NT2RP3003500,	NT2RP3004041,	NT2RP3004215,	NT2RP4000147,
20	NT2RP4000259,	NT2RP4000360,	NT2RP4000448,	NT2RP4000524,	NT2RP4001079,	NT2RP4001150,
	NT2RP4001274,	NT2RP4001353,	NT2RP4001547,	NT2RP4001677,	OVARC1000092,	OVARC1000321,
	OVARC1000384,	OVARC1000408,	OVARC1000414,	OVARC1000520,	OVARC1000526,	OVARC1000588,
	OVARC1000679,	OVARC1000682,	OVARC1000769,	OVARC1000862,	OVARC1000984,	OVARC1001000,
	OVARC1001004,	OVARC1001154,	OVARC1001170,	OVARC1001173,	OVARC1001200,	OVARC1001268,
25	OVARC1001376,	OVARC1001476,	OVARC1001542,	OVARC1001873,	OVARC1001987,	OVARC1002082,
	PLACE1000014,	PLACE1000048,	PLACE1000184,	PLACE1000246,	PLACE1000292,	PLACE1000332,
	PLACE1000347,	PLACE1000712,	PLACE1001000,	PLACE1001294,	PLACE1001311,	PLACE1001395,
	PLACE1001570,	PLACE1001608,	PLACE1001610,	PLACE1001746,	PLACE1001821,	PLACE1001844,
	PLACE1001897,	PLACE1002066,	PLACE1002119,	PLACE1002157,	PLACE1002205,	PLACE1002256,
30	PLACE1002259,	PLACE1002438,	PLACE1002474,	PLACE1002477,	PLACE1002500,	PLACE1002578,
	PLACE1002815,	PLACE1002851,	PLACE1002968,	PLACE1003108,	PLACE1003174,	PLACE1003200,
	PLACE1003256,	PLACE1003334,	PLACE1003516,	PLACE1003592,	PLACE1003723,	PLACE1003760,
	PLACE1003771,	PLACE1003795,	PLACE1003892,	PLACE1003968,	PLACE1004103,	PLACE1004256,
35	PLACE1004629,	PLACE1004979,	PLACE1005102,	PLACE1005128,	PLACE1005305,	PLACE1005477,
	PLACE1005666,	PLACE1005804,	PLACE1005934,	PLACE1006076,	PLACE1006119,	PLACE1006159,
	PLACE1006164,	PLACE1006170,	PLACE1006492,	PLACE1006629,	PLACE1006704,	PLACE1006760,
	PLACE1006795,	PLACE1006962,	PLACE1007045,	PLACE1007386,	PLACE1007416,	PLACE1007484,
	PLACE1007544,	PLACE1007645,	PLACE1007743,	PLACE1007807,	PLACE1007858,	PLACE1008002,
40	PLACE1008273,	PLACE1008368,	PLACE1008532,	PLACE1008568,	PLACE1008696,	PLACE1008867,
	PLACE1009027,	PLACE1009039,	PLACE1009298,	PLACE1009328,	PLACE1009621,	PLACE1009637,
	PLACE1010089,	PLACE1010106,	PLACE1010152,	PLACE1010491,	PLACE1010630,	PLACE1010739,
	PLACE1010896,	PLACE1010925,	PLACE1010965,	PLACE1011046,	PLACE1011214,	PLACE1011433,
	PLACE1011719,	PLACE1011762,	PLACE2000039,	PLACE2000216,	PLACE2000302,	PLACE2000342,
	PLACE2000347,	PLACE2000379,	PLACE3000121,	PLACE3000124,	PLACE3000242,	PLACE3000271,
45	PLACE3000362,	PLACE3000365,	PLACE3000400,	PLACE3000401,	PLACE4000034,	PLACE4000089,
	PLACE4000522,	PLACE4000558,	THYRO1000197,	THYRO1000241,	THYRO1000327,	THYRO1000394,
	THYRO1000488,	THYRO1000585,	THYRO1000625,	THYRO1000805,	THYRO1000934,	THYRO1001133,
	THYRO1001173,	THYRO1001213,	THYRO1001262,	THYRO1001290,	Y79AA1000800,	Y79AA1000976,
	Y79AA1001585,	Y79AA1001696,	Y79AA1001711,	Y79AA1002258,		
50	[0228] Clones of which expression levels decrease in the presence of both RA and RA/inhibitor are as follows:					
	HEMBA1000946,	HEMBA1003569,	HEMBA1005570,	NT2RM1000666,	NT2RM2000092,	NT2RM2000594,
	NT2RM4001754,	NT2RM4001905,	NT2RP2002047,	NT2RP3000980,	NT2RP3002081,	NT2RP3004594,
	NT2RP4001950,	NT2RP4002408,	OVARC1000431,	OVARC1001942,	OVARC1001943,	PLACE1003190,
	PLACE1005923,	PLACE1007257,	PLACE1010624,	Y79AA1000348,		
55	[0229] These are neurological disease-associated clones.					

Analysis of rheumatoid arthritis-associated genes

[0230] The onset of rheumatoid arthritis is thought to be involved in the proliferation of synovial cells covering inner surfaces of joint cavity and in inflammatory reaction resulted from the action of cytokines produced by leukocytes infiltrating into the joint synovial tissues (Rheumatism Information Center, <http://www.rheuma-net.or.jp/>). Recent studies have also revealed that tissue necrosis factor (TNF)- α participates in the onset (Current opinion in immunology 1999, 11, 657-662). When the expression of a gene exhibits responsiveness to the action of TNF on synovial cells, the gene is considered to be involved in rheumatoid arthritis.

[0231] A survey was performed for genes of which expression levels are varied in response to TNF- α in the primary cell culture of synovial tissue. The primary cultured cells of the smooth muscle (Cell Applications) were grown to be confluent in a culture dish, and then, human TNF- α (Boehringer-Mannheim) was added at a final concentration of 10 ng/ml thereto. The culture was further continued for 24 hours.

[0232] Total RNA was extracted from the cells by using S.N.A.P.^(TM) Total RNA Isolation kit (Invitrogen). The labeling of probe used for hybridization was carried out by using 10 μ g of the total RNA according to the same methods as described above. The data were obtained in triplicate ($n=3$). The data of signal value representing gene expression level in the cells in the presence of TNF stimulation were compared with those in the absence of the stimulation. The comparison was performed by statistical treatment of two-sample t-test. Clones with significant difference in the signal distribution were selected under the condition of $p<0.05$. In this analysis,

clones with the difference can be statistically detected even when the signals were low.

Accordingly, clones with signal value of 40 or less were also assessed for the selection.

Table 352 shows the expression level of each cDNA in synovial cells cultured in the absence or presence of TNF.

[0233] Averaged signal values (M_1 , M_2) and sample variances (s_1^2 , s_2^2) for each gene were calculated in each of the cells, and then, the pooled sample variances s^2 were obtained from the sample variances of the two types of cells to be compared. The t-values were determined according to the following formula: $t=(M_1-M_2)/s/(1/3+1/3)^{1/2}$. When the determined t-value was greater than a t-value at P, which means the probability of significance level, of 0.05 or 0.01 in the t-distribution table with 4 degrees of freedom, the difference was judged to be found in the expression level of the gene between the two types of cells at $p<0.05$ or $p<0.01$, respectively.

The tables also include the information of an increase (+) or decrease (-) in the expression level of a gene in the stimulated cells when the level is compared with that of unstimulated cells.

[0234] Clones of which expression levels are elevated by TNF- α are as follows:

HEMBA1000005,	HEMBA1000012,	HEMBA1000020,	HEMBA1000046,	HEMBA1000076,	HEMBA1000111,
HEMBA1000168,	HEMBA1000185,	HEMBA1000201,	HEMBA1000231,	HEMBA1000243,	HEMBA1000280,
HEMBA1000282,	HEMBA1000304,	HEMBA1000307,	HEMBA1000327,	HEMBA1000356,	HEMBA1000376,
HEMBA1000387,	HEMBA1000390,	HEMBA1000418,	HEMBA1000460,	HEMBA1000491,	HEMBA1000501,
HEMBA1000518,	HEMBA1000519,	HEMBA1000520,	HEMBA1000531,	HEMBA1000534,	HEMBA1000542,
HEMBA1000545,	HEMBA1000591,	HEMBA1000592,	HEMBA1000594,	HEMBA1000636,	HEMBA1000655,
HEMBA1000657,	HEMBA1000673,	HEMBA1000682,	HEMBA1000686,	HEMBA1000722,	HEMBA1000726,
HEMBA1000827,	HEMBA1000870,	HEMBA1000918,	HEMBA1000971,	HEMBA1000974,	HEMBA1000986,
HEMBA1001019,	HEMBA1001043,	HEMBA1001051,	HEMBA1001059,	HEMBA1001060,	HEMBA1001071,
HEMBA1001080,	HEMBA1001109,	HEMBA1001140,	HEMBA1001172,	HEMBA1001196,	HEMBA1001213,
HEMBA1001226,	HEMBA1001281,	HEMBA1001299,	HEMBA1001302,	HEMBA1001303,	HEMBA1001323,
HEMBA1001326,	HEMBA1001327,	HEMBA1001330,	HEMBA1001351,	HEMBA1001407,	HEMBA1001411,
HEMBA1001446,	HEMBA1001454,	HEMBA1001569,	HEMBA1001647,	HEMBA1001714,	HEMBA1001800,
HEMBA1001804,	HEMBA1001809,	HEMBA1001888,	HEMBA1001912,	HEMBA1001921,	HEMBA1001967,
HEMBA1002084,	HEMBA1002161,	HEMBA1002166,	HEMBA1002241,	HEMBA1002337,	HEMBA1002363,
HEMBA1002389,	HEMBA1002458,	HEMBA1002460,	HEMBA1002469,	HEMBA1002538,	HEMBA1002542,
HEMBA1002547,	HEMBA1002609,	HEMBA1002624,	HEMBA1002659,	HEMBA1002750,	HEMBA1002770,
HEMBA1002779,	HEMBA1002810,	HEMBA1002816,	HEMBA1002818,	HEMBA1002850,	HEMBA1002863,
HEMBA1003021,	HEMBA1003033,	HEMBA1003078,	HEMBA1003166,	HEMBA1003202,	HEMBA1003204,
HEMBA1003229,	HEMBA1003235,	HEMBA1003276,	HEMBA1003286,	HEMBA1003296,	HEMBA1003370,
HEMBA1003376,	HEMBA1003403,	HEMBA1003418,	HEMBA1003433,	HEMBA1003447,	HEMBA1003560,
HEMBA1003569,	HEMBA1003571,	HEMBA1003591,	HEMBA1003597,	HEMBA1003598,	HEMBA1003621,
HEMBA1003656,	HEMBA1003662,	HEMBA1003680,	HEMBA1003715,	HEMBA1003725,	HEMBA1003729,
HEMBA1003733,	HEMBA1003742,	HEMBA1003773,	HEMBA1003783,	HEMBA1003950,	HEMBA1004012,
HEMBA1004015,	HEMBA1004048,	HEMBA1004074,	HEMBA1004086,	HEMBA1004111,	HEMBA1004131,
HEMBA1004202,	HEMBA1004203,	HEMBA1004207,	HEMBA1004248,	HEMBA1004274,	HEMBA1004321,
HEMBA1004330,	HEMBA1004356,	HEMBA1004366,	HEMBA1004405,	HEMBA1004408,	HEMBA1004429,
HEMBA1004499,	HEMBA1004507,	HEMBA1004509,	HEMBA1004542,	HEMBA1004596,	HEMBA1004604,

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	HEMBA1004776,	HEMBA1004889,	HEMBA1004934,	HEMBA1004978,	HEMBA1005019,	HEMBA1005047,
	HEMBA1005206,	HEMBA1005219,	HEMBA1005274,	HEMBA1005331,	HEMBA1005338,	HEMBA1005394,
	HEMBA1005423,	HEMBA1005576,	HEMBA1005732,	HEMBA1005746,	HEMBA1006091,	HEMBA1006142,
	HEMBA1006173,	HEMBA1006198,	HEMBA1006253,	HEMBA1006268,	HEMBA1006309,	HEMBA1006377,
5	HEMBA1006474,	HEMBA1006486,	HEMBA1006492,	HEMBA1006502,	HEMBA1006535,	HEMBA1006579,
	HEMBA1006648,	HEMBA1006659,	HEMBA1006885,	HEMBA1006929,	HEMBA1006941,	HEMBA1007078,
	HEMBA1007080,	HEMBA1007121,	HEMBA1007194,	HEMBA1007300,	HEMBA1007301,	HEMBA1007322,
	HEMBB1000036,	HEMBB1000044,	HEMBB1000089,	HEMBB1000215,	HEMBB1000217,	HEMBB1000272,
	HEMBB1000420,	HEMBB1000591,	HEMBB1000593,	HEMBB1000631,	HEMBB1000835,	HEMBB1000887,
10	HEMBB1000908,	HEMBB1000975,	HEMBB1000985,	HEMBB1001011,	HEMBB1001014,	HEMBB1001112,
	HEMBB1001133,	HEMBB1001331,	HEMBB1001337,	HEMBB1001366,	HEMBB1001367,	HEMBB1001384,
	HEMBB1001394,	HEMBB1001429,	HEMBB1001463,	HEMBB1001619,	HEMBB1001684,	HEMBB1001706,
	HEMBB1001753,	HEMBB1001797,	HEMBB1001802,	HEMBB1001812,	HEMBB1001874,	HEMBB1001910,
	HEMBB1001915,	HEMBB1001973,	HEMBB1001983,	HEMBB1001990,	HEMBB1002190,	HEMBB1002193,
15	HEMBB1002249,	HEMBB1002329,	HEMBB1002342,	HEMBB1002371,	HEMBB1002409,	HEMBB1002442,
	HEMBB1002489,	HEMBB1002492,	HEMBB1002520,	HEMBB1002534,	HEMBB1002596,	HEMBB1002664,
	HEMBB1002692,	HEMBB1002697,	HEMBB1002705,	MAMMA1000092,	MAMMA1000155,	MAMMA1000163,
	MAMMA1000173,	MAMMA1000175,	MAMMA1000227,	MAMMA1000241,	MAMMA1000257,	MAMMA1000264,
	MAMMA1000266,	MAMMA1000270,	MAMMA1000307,	MAMMA1000410,	MAMMA1000413,	MAMMA1000416,
20	MAMMA1000421,	MAMMA1000472,	MAMMA1000501,	MAMMA1000605,	MAMMA1000643,	MAMMA1000670,
	MAMMA1000684,	MAMMA1000696,	MAMMA1000732,	MAMMA1000752,	MAMMA1000802,	MAMMA1000824,
	MAMMA1000905,	MAMMA1000921,	MAMMA1000931,	MAMMA1000957,	MAMMA1000962,	MAMMA1000998,
	MAMMA1001008,	MAMMA1001050,	MAMMA1001074,	MAMMA1001078,	MAMMA1001292,	MAMMA1001397,
	MAMMA1001476,	MAMMA1001743,	MAMMA1001744,	MAMMA1001754,	MAMMA1001760,	MAMMA1001785,
25	MAMMA1001858,	MAMMA1001908,	MAMMA1002236,	MAMMA1002267,	MAMMA1002292,	MAMMA1002311,
	MAMMA1002322,	MAMMA1002359,	MAMMA1002362,	MAMMA1002485,	MAMMA1002494,	MAMMA1002597,
	MAMMA1002598,	MAMMA1002665,	MAMMA1002671,	MAMMA1002684,	MAMMA1002748,	MAMMA1002775,
	MAMMA1002830,	MAMMA1002858,	MAMMA1002868,	MAMMA1002886,	MAMMA1002887,	MAMMA1002892,
	MAMMA1002909,	MAMMA1002937,	MAMMA1002947,	MAMMA1002964,	MAMMA1002970,	MAMMA1003013,
30	MAMMA1003150,	NT2RM1000039,	NT2RM1000062,	NT2RM1000080,	NT2RM1000086,	NT2RM1000127,
	NT2RM1000132,	NT2RM1000187,	NT2RM1000199,	NT2RM1000244,	NT2RM1000256,	NT2RM1000272,
	NT2RM1000318,	NT2RM1000354,	NT2RM1000377,	NT2RM1000430,	NT2RM1000499,	NT2RM1000539,
	NT2RM1000553,	NT2RM1000563,	NT2RM1000699,	NT2RM1000742,	NT2RM1000826,	NT2RM1000829,
	NT2RM1000833,	NT2RM1000882,	NT2RM1000898,	NT2RM1000905,	NT2RM1001092,	NT2RM2000013,
35	NT2RM2000032,	NT2RM2000042,	NT2RM2000101,	NT2RM2000124,	NT2RM2000192,	NT2RM2000259,
	NT2RM2000260,	NT2RM2000363,	NT2RM2000368,	NT2RM2000402,	NT2RM2000452,	NT2RM2000952,
	NT2RM2001221,	NT2RM2002014,	NT2RM2002030,	NT2RM4000156,	NT2RM4000349,	NT2RM4000395,
	NT2RM4000457,	NT2RM4000511,	NT2RM4000514,	NT2RM4000698,	NT2RM4000764,	NT2RM4001016,
	NT2RM4001084,	NT2RM4001594,	NT2RM4001629,	NT2RM4001662,	NT2RM4001841,	NT2RM4002093,
40	NT2RM4002109,	NT2RM4002145,	NT2RM4002189,	NT2RM4002194,	NT2RM4002226,	NT2RP1000170,
	NT2RP1000439,	NT2RP1000478,	NT2RP1000513,	NT2RP1000701,	NT2RP1000856,	NT2RP1001361,
	NT2RP2000097,	NT2RP2000239,	NT2RP2000288,	NT2RP2000328,	NT2RP2000329,	NT2RP2000369,
	NT2RP2000422,	NT2RP2000842,	NT2RP2000965,	NT2RP2001245,	NT2RP2001440,	NT2RP2001560,
	NT2RP2001634,	NT2RP2001663,	NT2RP2001677,	NT2RP2001762,	NT2RP2002270,	NT2RP2002312,
45	NT2RP2002316,	NT2RP2002333,	NT2RP2002706,	NT2RP2002925,	NT2RP2002959,	NT2RP2002987,
	NT2RP2003125,	NT2RP2003137,	NT2RP2003237,	NT2RP2003272,	NT2RP2003596,	NT2RP2003604,
	NT2RP2003643,	NT2RP2003968,	NT2RP2003976,	NT2RP2004194,	NT2RP2004321,	NT2RP2005037,
	NT2RP2005140,	NT2RP2005204,	NT2RP2005293,	NT2RP2005457,	NT2RP2005555,	NT2RP2005600,
	NT2RP2005701,	NT2RP2005719,	NT2RP2005722,	NT2RP2005773,	NT2RP2005890,	NT2RP2006023,
50	NT2RP2006071,	NT2RP3000186,	NT2RP3000341,	NT2RP3000599,	NT2RP3000632,	NT2RP3000644,
	NT2RP3000852,	NT2RP3000968,	NT2RP3001096,	NT2RP3001109,	NT2RP3001126,	NT2RP3001147,
	NT2RP3001449,	NT2RP3001529,	NT2RP3001753,	NT2RP3001854,	NT2RP3001915,	NT2RP3001969,
	NT2RP3002081,	NT2RP3002142,	NT2RP3002399,	NT2RP3002590,	NT2RP3002603,	NT2RP3002810,
	NT2RP3002876,	NT2RP3003311,	NT2RP3003330,	NT2RP3003672,	NT2RP3004209,	NT2RP3004378,
55	NT2RP4000078,	NT2RP4000541,	NT2RP4000588,	NT2RP4001219,	NT2RP4001228,	NT2RP4001276,
	NT2RP4001507,	NT2RP4002047,	NT2RP5003459,	NT2RP5003492,	OVARC1000085,	OVARC1000087,
	OVARC1000106,	OVARC1000151,	OVARC1000198,	OVARC1000431,	OVARC1000440,	OVARC1000564,
	OVARC1000605,	OVARC1000679,	OVARC1000883,	OVARC1000912,	OVARC1000960,	OVARC1000971,

OVARC1001038, OVARC1001055, OVARC1001085, OVARC1001129, OVARC1001167, OVARC1001339,
 OVARC1001425, OVARC1001745, OVARC1001762, OVARC1001766, OVARC1001942, OVARC1002044,
 OVARC1002138, PLACE1000004, PLACE1000005, PLACE1000420, PLACE1000547, PLACE1000562,
 PLACE1000653, PLACE1001168, PLACE1001311, PLACE1001377, PLACE1001920, PLACE1001983,
 5 PLACE1002066, PLACE1002072, PLACE1002140, PLACE1002171, PLACE1002319, PLACE1002474,
 PLACE1002499, PLACE1002532, PLACE1002665, PLACE1003025, PLACE1003145, PLACE1003361,
 PLACE1003605, PLACE1003704, PLACE1003783, PLACE1003885, PLACE1004405, PLACE1004629,
 PLACE1004686, PLACE1004930, PLACE1005066, PLACE1006077, PLACE1005630, PLACE1005876,
 PLACE1006143, PLACE1006325, PLACE1006488, PLACE1006805, PLACE1006829, PLACE1007286,
 10 PLACE1007858, PLACE1008201, PLACE1009045, PLACE1009113, PLACE1009621, PLACE1010106,
 PLACE1010310, PLACE1010622, PLACE1010944, PLACE1010965, PLACE1011185, PLACE1011332,
 PLACE1011635, PLACE1011646, PLACE1011725, PLACE2000014, PLACE2000264, PLACE2000394,
 PLACE2000419, PLACE3000160, PLACE3000220, PLACE3000254, PLACE3000271, PLACE3000339,
 PLACE3000341, PLACE3000350, PLACE3000353, PLACE3000401, PLACE4000300, SKNMC1000091,
 15 THYRO1000855, THYRO1001559, Y79AA1000065, Y79AA1000202, Y79AA1000214, Y79AA1000346,
 Y79AA1000784, Y79AA1000833, Y79AA1000968, Y79AA1001555, Y79AA1002220.

[0235] Clones of which expression levels decrease by TNF- α are as follows:

HEMBA1002150, HEMBB1000240, NT2RM2000469, NT2RM2000984, NT2RM2001688, _ NT2RM4000290,
 NT2RM4000496, NT2RM4000590, NT2RM4001047, NT2RM4001582, NT2RM4001611, NT2RM4001650,
 20 NT2RM4002075, NT2RM4002128, NT2RP1000174, NT2RP1000243, NT2RP1000581, NT2RP1000688,
 NT2RP1000767, NT2RP1000825, NT2RP1001185, NT2RP1001286, NT2RP1001432, NT2RP1001457,
 NT2RP2000001, NT2RP2000248, NT2RP2000841, NT2RP2001813, NT2RP2002137, NT2RP2002928,
 NT2RP2003517, NT2RP2003559, NT2RP2003564, NT2RP2004933, NT2RP2005038, NT2RP2006365,
 NT2RP3000072, NT2RP3000320, NT2RP3000484, NT2RP3000980, NT2RP3001111, NT2RP3001420,
 25 NT2RP3001495, NT2RP3002056, NT2RP3002057, NT2RP3002545, NT2RP3002713, NT2RP3002799,
 NT2RP3002869, NT2RP3002953, NT2RP3002955, NT2RP3003282, NT2RP3003290, NT2RP3003384,
 NT2RP3003385, NT2RP3003870, NT2RP3004207, NT2RP3004262, NT2RP3004527, NT2RP4000500,
 NT2RP4000524, NT2RP4000787, NT2RP4000927, NT2RP4000955, NT2RP4000989, NT2RP4001442,
 NT2RP4001638, NT2RP4001950, NT2RP4002888, NT2RP5003524, OVARC1001270, PLACE1000246,
 30 PLACE1002816.

[0236] These are rheumatoid arthritis-associated clones.

Analysis of ultraviolet radiation damage-associated genes

35 **[0237]** It is known that ultraviolet rays give considerably adverse influence on the health. In recent years, there have
 been significant risks of tissue damage by ultraviolet rays because of destruction of the ozone layer. Thus, ultraviolet
 radiation has been recognized as a risk factor for skin diseases such as skin cancers (United States Environmental
 Protection Agency: Ozone Depletion Home Page, <http://www.epa.gov/ozone/>). Genes of which expression levels are
 varied in skin epidermal cells exposed to ultraviolet rays are considered to be associated with skin damage caused by
 40 ultraviolet radiation.

[0238] After primary cultured skin fibroblast cells were irradiated with ultraviolet ray and were cultured, a survey was performed for genes of which expression levels were varied depending on the irradiation of ultraviolet ray. First, after cultured to be confluent, the primary cultured skin fibroblast cells (Cell Applications) were exposed to 10,000 $\mu\text{J}/\text{cm}^2$ of 254-nm ultraviolet light.

45 **[0239]** Messenger RNAs were, then, extracted by using a FastTrack™ 2.0 mRNA Isolation kit (Invitrogen Co.) from
 the unexposed cells and from the cells that were exposed to the ultraviolet light and then cultured for 4 or 24 hours.
 The labeling of the hybridization probe was carried out by using a 1.5 μg of each mRNA in the same manner as
 described above. The data were obtained in triplicate ($n=3$). The hybridization signals were compared between the
 cells exposed to the ultraviolet light and the unexposed cells. The comparison was preformed by statistical treatment
 50 with two-sample t-test. Clones with significant differences in the signal distribution were selected under the condition
 of $p<0.05$. In this analysis, even when the signal is lower than others, the difference in the signal values can be detected
 statistically. Accordingly, clones with signal value of 40 or lower were also assessed for selection.

[0240] Tables 353-509 show the expression of each cDNA in skin-derived fibroblast cells exposed and unexposed to ultraviolet light.

55 **[0241]** Averaged signal values (M_1 , M_2) and sample variances (s_1^2 , s_2^2) were calculated for each gene in each of
 the cells, and then, the pooled sample variances s^2 were obtained from the sample variances of the two types of cells
 to be compared. The t values were determined according to the following formula: $t=(M_1-M_2)/s/(1/3+1/3)^{1/2}$. When the
 determined t-value was greater than a t-value at P, which means the probability of significance level, of 0.05 or 0.01

in the t-distribution table with 4 degrees of freedom, the difference was judged to be found in the expression level of the gene between the two types of cells at $p < 0.05$ or $p < 0.01$, respectively. The tables also include the information of an increase (+) or decrease (-) in the expression level of a gene in the exposed cells in comparison with that of unexposed cells.

5	[0242] The expression levels of the following clones were elevated 4 or 24 hours after the ultraviolet irradiation:					
	HEMBA1000542,	HEMBA1001808,	HEMBA1002177,	HEMBA1003314,	MAMMA1001874,	NT2RM2001100,
	NT2RP2005732,	NT2RP3000592,	NT2RP4000657,	OVARC1000004,	OVARC1001092,	OVARC1001342,
	PLACE1002816,	NT2RM4001002,	NT2RM4001813,	NT2RM4002266,	NT2RP2001174,	NT2RP2001196,
	NT2RP2005358,	NT2RP3000690,	NT2RP3001216,	NT2RP3003464,	PLACE1006382,	THYRO1000070,
10	THYRO1001100,	Y79AA1000342.				
	[0243] The expression levels of the following clones were decreased 4 or 24 hours after the ultraviolet irradiation:					
	HEMBA1000005,	HEMBA1000150,	HEMBA1000156,	HEMBA1000158,	HEMBA1000168,	HEMBA1000231,
	HEMBA1000304,	HEMBA1000307,	HEMBA1000333,	HEMBA1000366,	HEMBA1000369,	HEMBA1000390,
	HEMBA1000396,	HEMBA1000418,	HEMBA1000434,	HEMBA1000464,	HEMBA1000469,	HEMBA1000490,
15	HEMBA1000504,	HEMBA1000505,	HEMBA1000557,	HEMBA1000657,	HEMBA1000673,	HEMBA1000682,
	HEMBA1000686,	HEMBA1000727,	HEMBA1000752,	HEMBA1000851,	HEMBA1000852,	HEMBA1000870,
	HEMBA1000872,	HEMBA1001085,	HEMBA1001121,	HEMBA1001133,	HEMBA1001235,	HEMBA1001265,
	HEMBA1001281,	HEMBA1001289,	HEMBA1001299,	HEMBA1001303,	HEMBA1001310,	HEMBA1001323,
	HEMBA1001595,	HEMBA1001620,	HEMBA1001640,	HEMBA1001678,	HEMBA1001712,	HEMBA1001835,
20	HEMBA1001950,	HEMBA1001987,	HEMBA1002253,	HEMBA1002321,	HEMBA1002341,	HEMBA1002419,
	HEMBA1002679,	HEMBA1002728,	HEMBA1002818,	HEMBA1002935,	HEMBA1002999,	HEMBA1003034,
	HEMBA1003071,	HEMBA1003098,	HEMBA1003142,	HEMBA1003175,	HEMBA1003202,	HEMBA1003212,
	HEMBA1003220,	HEMBA1003276,	HEMBA1003373,	HEMBA1003417,	HEMBA1003447,	HEMBA1003528,
	HEMBA1003684,	HEMBA1003799,	HEMBA1003885,	HEMBA1003989,	HEMBA1004011,	HEMBA1004055,
25	HEMBA1004133,	HEMBA1004225,	HEMBA1004272,	HEMBA1004353,	HEMBA1004631,	HEMBA1004669,
	HEMBA1004705,	HEMBA1004753,	HEMBA1004776,	HEMBA1004803,	HEMBA1004816,	HEMBA1004900,
	HEMBA1005047,	HEMBA1005079,	HEMBA1005101,	HEMBA1005149,	HEMBA1005152,	HEMBA1005202,
	HEMBA1005314,	HEMBA1005372,	HEMBA1005511,	HEMBA1005513,	HEMBA1005518,	HEMBA1005570,
	HEMBA1005577,	HEMBA1005581,	HEMBA1005588,	HEMBA1005609,	HEMBA1005632,	HEMBA1005853,
30	HEMBA1006031,	HEMBA1006035,	HEMBA1006485,	HEMBA1006486,	HEMBA1006502,	HEMBA1006696,
	HEMBA1006789,	HEMBA1006796,	HEMBA1007085,	HEMBA1007224,	HEMBA1007301,	HEMBA1007319,
	HEMBA1007341,	HEMBA1007342,	HEMBA1000036,	HEMBA1000037,	HEMBA1000217,	HEMBA1000266,
	HEMBA1000317,	HEMBA1000336,	HEMBA1000354,	HEMBA1000369,	HEMBA1000399,	HEMBA1000434,
	HEMBA1000438,	HEMBA1000592,	HEMBA1000673,	HEMBA1000789,	HEMBA1000810,	HEMBA1000883,
35	HEMBA1000887,	HEMBA1001105,	HEMBA1001182,	HEMBA1001242,	HEMBA1001267,	HEMBA1001424,
	HEMBA1001464,	HEMBA1001531,	HEMBA1001618,	HEMBA1001996,	HEMBA1002092,	HEMBA1002139,
	HEMBA1002142,	HEMBA1002190,	HEMBA1002453,	HEMBA1002520,	HEMBA1002550,	HEMBA1002556,
	HEMBA1002600,	HEMBA1002664,	MAMMA1000009,	MAMMA1000055,	MAMMA1000069,	MAMMA1000133,
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	PLACE1005698,	PLACE1005727,	PLACE1005739,	PLACE1005851,	PLACE1005925,	PLACE1006196,
45	PLACE1006248,	PLACE1006262,	PLACE1006335,	PLACE1006360,	PLACE1006385,	PLACE1006412,
	PLACE1006414,	PLACE1006445,	PLACE1006598,	PLACE1006629,	PLACE1006640,	PLACE1006792,
	PLACE1006815,	PLACE1006901,	PLACE1006917,	PLACE1006962,	PLACE1007021,	PLACE1007045,
	PLACE1007112,	PLACE1007226,	PLACE1007243,	PLACE1007454,	PLACE1007547,	PLACE1007598,
	PLACE1007618,	PLACE1007645,	PLACE1007649,	PLACE1007706,	PLACE1007725,	PLACE1007746,
50	PLACE1007843,	PLACE1007877,	PLACE1007954,	PLACE1007969,	PLACE1008002,	PLACE1008095,
	PLACE1008111,	PLACE1008132,	PLACE1008273,	PLACE1008275,	PLACE1008331,	PLACE1008356,
	PLACE1008368,	PLACE1008402,	PLACE1008603,	PLACE1008650,	PLACE1008696,	PLACE1008757,
	PLACE1008807,	PLACE1008867,	PLACE1008941,	PLACE1009020,	PLACE1009039,	PLACE1009158,
	PLACE1009172,	PLACE1009190,	PLACE1009230,	PLACE1009319,	PLACE1009338,	PLACE1009375,
55	PLACE1009434,	PLACE1009613,	PLACE1009637,	PLACE1009659,	PLACE1009763,	PLACE1009845,
	PLACE1009921,	PLACE1009971,	PLACE1009992,	PLACE1010023,	PLACE1010053,	PLACE1010069,
	PLACE1010074,	PLACE1010181,	PLACE1010202,	PLACE1010231,	PLACE1010270,	PLACE1010274,
	PLACE1010321,	PLACE1010329,	PLACE1010492,	PLACE1010522,	PLACE1010616,	PLACE1010624,

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 PLACE1011520, PLACE1011635, PLACE1011649, PLACE1011682, PLACE1011875, PLACE1011896,
 PLACE1011964, PLACE1012031, PLACE2000015, PLACE2000021, PLACE2000047, PLACE2000072,
 PLACE2000097, PLACE2000136, PLACE2000246, PLACE2000302, PLACE2000379, PLACE2000394,
 5 PLACE2000425, PLACE2000427, PLACE2000477, PLACE3000009, PLACE3000070, PLACE3000142,
 PLACE3000145, PLACE3000148, PLACE3000155, PLACE3000169, PLACE3000208, PLACE3000230,
 PLACE3000322, PLACE3000331, PLACE3000352, PLACE3000401, PLACE3000413, PLACE3000425,
 PLACE3000477, PLACE4000009, PLACE4000049, PLACE4000089, PLACE4000100, PLACE4000247,
 PLACE4000250, PLACE4000252, PLACE4000300, PLACE4000344, PLACE4000367, PLACE4000465,
 10 PLACE4000489, PLACE4000638, SKNMC1000013, THYRO1000017, THYRO1000026, THYRO1000034,
 THYRO1000072, THYRO1000132, THYRO1000173, THYRO1000190, THYRO1000197, THYRO1000221,
 THYRO1000253, THYRO1000270, THYRO1000279, THYRO1000327, THYRO1000394, THYRO1000438,
 THYRO1000558, THYRO1000569, THYRO1000585, THYRO1000596, THYRO1000625, THYRO1000637,
 THYRO1000676, THYRO1000734, THYRO1000777, THYRO1000783, THYRO1000805, THYRO1000843,
 15 THYRO1000934, THYRO1001033, THYRO1001347, THYRO1001405, THYRO1001411, THYRO1001534,
 THYRO1001573, THYRO1001584, THYRO1001602, THYRO1001605, THYRO1001772, THYRO1001854,
 VESEN1000122, Y79AA1000037, Y79AA1000065, Y79AA1000181, Y79AA1000231, Y79AA1000349,
 Y79AA1000355, Y79AA1000368, Y79AA1000538, Y79AA1000782, Y79AA1001023, Y79AA1001145,
 Y79AA1001391, Y79AA1001541, Y79AA1001585, Y79AA1001705, Y79AA1001781, Y79AA1001923,
 20 Y79AA1001963, Y79AA1002125, Y79AA1002229, Y79AA1002407, Y79AA1002487.

[0244] These clones are ultraviolet radiation damage-associated clones.

Table 12

Expression of each cDNA in human tissues (containing clones that are not described in
 Examples.)

Clone name	Heart	Lung	P.gland	Thymus	Brain	Kidney	Liver	Spleen
CAPDH(Cr1)	38.210	32.670	23.820	13.580	11.230	21.120	24.910	22.440
β actin(Cr2)	279.280	368.870	111.100	117.500	92.880	114.650	82.990	256.790
ADRGL1000005	53.882	23.005	32.749	22.858	26.564	24.940	22.644	27.001
ADRGL1000007	94.778	85.185	160.457	67.191	101.768	62.489	67.150	73.543
ADRGL1000009	11.141	50.520	10.357	7.177	6.013	5.219	14.272	21.225
ADRGL1000011	71.656	24.579	29.358	19.473	24.898	30.747	49.220	22.221
ADRGL1000027	36.238	25.252	20.855	7.328	11.196	14.298	19.658	11.288
ADRGL1000058	66.209	129.497	55.226	49.241	30.219	55.872	67.027	243.436
ADRGL1000069	38.630	23.459	28.991	12.540	27.353	33.633	28.774	20.911
ADRGL1000077	97.465	63.656	448.427	83.412	71.108	53.740	67.906	89.439
ADRGL1000092	89.423	45.692	55.810	26.033	44.148	73.339	96.037	73.091
ADRGL1000099	73.675	24.424	36.128	17.024	25.964	41.391	42.837	29.666
ADRGL1000136	141.745	63.974	77.017	24.777	33.549	58.986	295.009	84.985
ADRGL1000147	394.563	155.829	271.210	92.899	165.627	251.266	253.420	150.294
ADRGL1000159	50.073	25.425	39.296	15.194	16.125	20.040	33.720	23.278
ADRGL1000160	69.386	31.051	59.416	20.154	39.799	27.027	47.169	20.716
ADRGL1000171	57.047	23.011	43.063	23.860	40.581	59.814	117.055	32.630
ADRGL1000181	45.892	18.666	34.476	15.434	34.225	32.962	39.693	16.334
BGG111000015	153.242	42.337	92.865	41.003	45.168	88.524	85.990	73.392
BGG111000016	177.367	94.731	119.688	34.159	30.249	98.806	98.783	39.204
BGG111000017	84.712	32.614	38.131	20.878	18.769	32.340	39.666	20.750
BGG111000022	52.468	20.452	67.167	12.167	11.158	18.241	19.197	11.937
BGG111000031	30.008	17.072	40.883	12.585	13.313	15.525	16.757	13.406
BGG111000042	49.926	36.336	51.176	26.964	43.122	43.770	49.107	38.776
BGG111000046	31.618	26.472	34.182	31.854	12.650	25.784	18.430	25.385
BNGH41000020	5031.103	2993.496	1444.841	537.162	5973.542	6029.124	8350.527	8649.144
BNGH41000025	91.717	35.026	73.901	27.713	30.765	36.523	37.596	47.074
BNGH41000026	176.757	77.439	98.345	35.802	56.991	91.310	75.797	70.241
BNGH41000027	65.029	56.353	25.896	22.494	12.763	23.748	17.836	23.859
BNGH41000035	148.779	66.776	119.727	56.576	60.996	96.959	72.461	64.458
BNGH41000037	79.500	29.611	43.438	18.317	20.857	36.272	27.525	24.771
BNGH41000042	224.484	110.084	168.448	104.351	102.259	125.323	86.783	122.959
BNGH41000048	56.144	32.253	54.063	14.729	27.312	22.435	29.566	28.937
BNGH41000056	67.258	18.694	30.075	15.602	10.072	20.735	16.100	7.642
BNGH41000087	98.262	46.173	77.657	35.329	40.900	50.029	50.841	45.285
BNGH41000091	50.895	16.985	28.392	10.147	5.469	22.794	10.725	12.410
BNGH41000157	69.043	34.730	40.597	18.088	27.072	22.074	25.410	24.950
BNGH41000169	44.850	21.770	28.655	11.403	25.991	28.509	25.634	25.843
BNGH41000181	17.163	15.689	13.948	3.996	9.287	13.139	15.553	16.575
BNGH41000198	81.510	36.250	60.860	20.585	26.929	35.751	31.695	28.325
BNGH41000219	30.302	25.156	22.187	13.757	11.208	15.235	27.285	35.709
BNGH41000229	252.790	65.948	93.499	51.108	92.555	101.245	96.716	78.266
BNGH41000237	85.757	46.997	55.170	26.780	33.764	47.456	37.007	39.131
BNGH41000238	17.744	36.938	42.360	14.922	35.749	42.848	39.238	13.241
BNGH41000243	45.446	23.667	44.798	20.875	10.516	23.918	22.443	27.033
BNGH41000270	60.889	18.651	29.618	10.724	15.979	12.351	19.152	22.314
BRAWH1000004	43.673	28.539	7.640	11.388	19.198	14.903	32.353	23.777
BRAWH1000018	59.409	17.941	102.270	17.107	709.078	25.732	24.214	24.767
BRAWH1000021	104.772	29.951	51.142	21.042	1169.154	55.762	66.754	27.969
BRAWH1000027	152.205	47.310	67.089	32.199	64.521	70.731	79.670	40.928
BRAWH1000029	106.376	49.221	55.840	40.856	59.552	56.487	64.886	100.132
BRAWH1000040	29.419	16.761	31.101	16.622	30.633	18.200	17.998	15.196
BRAWH1000050	161.264	71.786	118.976	51.863	61.542	97.720	81.271	69.194
BRAWH1000051	74.067	34.341	44.047	20.726	30.434	42.055	53.856	24.624
BRAWH1000060	68.789	22.598	35.012	16.493	19.127	38.662	34.923	28.094
BRAWH1000075	17.318	16.898	36.437	8.901	18.133	17.219	9.321	11.200
BRAWH1000081	43.025	12.998	28.267	7.655	123.677	17.673	15.924	9.844
BRAWH1000084	174.384	42.178	80.534	47.752	152.188	77.111	110.167	102.296
BRAWH1000095	118.239	59.676	64.528	28.174	116.975	53.814	746.700	35.985
BRAWH1000096	146.112	44.967	85.882	27.491	145.013	52.880	52.427	58.678
BRAWH1000097	95.841	72.506	174.954	65.637	64.200	73.707	63.827	63.762
BRAWH1000100	11.943	19.037	18.950	13.536	92.145	16.582	16.646	10.218
BRAWH1000101	134.838	57.232	106.632	40.741	96.396	71.642	88.432	57.336

Table 13

	BRANH1000104	25.414	18.303	14.825	7.695	38.918	23.970	23.794	11.048
	BRANH1000107	16.949	5.616	12.463	5.518	6.355	5.084	9.107	6.573
5	BRANH1000110	615.476	492.704	869.088	383.612	368.156	369.621	277.348	340.450
	BRANH1000111	175.556	68.459	92.209	45.974	64.703	81.723	90.369	57.301
	BRANH1000135	199.303	38.098	72.093	26.809	67.720	91.868	87.016	35.866
	BRANH1000190	56.386	41.640	57.914	22.782	55.671	40.034	35.280	40.134
	HEMBA1000005	11.985	23.427	18.882	9.766	12.656	9.959	23.443	21.677
	HEMBA1000006	37.398	24.521	24.529	15.587	22.317	13.336	16.038	15.295
10	HEMBA1000012	81.820	57.193	66.828	26.683	55.423	58.731	85.614	66.259
	HEMBA1000020	157.967	64.157	115.635	51.940	77.293	77.321	83.989	74.362
	HEMBA1000030	82.882	35.447	66.058	26.464	40.990	60.871	47.058	50.652
	HEMBA1000034	47.434	17.878	50.696	5.594	14.005	6.673	24.652	7.134
	HEMBA1000042	147.376	94.003	330.908	69.071	76.472	55.477	37.783	60.479
	HEMBA1000045	28.478	20.289	20.548	12.445	11.835	22.788	11.196	15.775
15	HEMBA1000046	85.160	84.475	242.940	57.017	68.488	45.288	37.098	47.486
	HEMBA1000047	21.380	18.859	18.166	11.393	11.185	12.292	6.491	12.018
	HEMBA1000048	243.559	55.114	84.448	24.247	43.131	99.333	57.041	37.362
	HEMBA1000050	22.711	11.876	21.972	7.477	4.096	13.675	10.347	7.770
	HEMBA1000053	45.071	26.410	38.158	15.982	30.754	36.740	34.184	24.269
	HEMBA1000060	101.197	34.766	50.643	19.938	34.641	54.061	42.309	22.530
20	HEMBA1000072	240.166	213.938	224.688	163.030	115.246	207.809	112.361	276.098
	HEMBA1000073	23.202	9.580	10.815	1.698	6.680	18.155	12.304	14.973
	HEMBA1000076	95.997	46.783	177.931	32.617	48.964	50.792	33.947	44.142
	HEMBA1000084	66.603	25.710	48.434	18.006	22.553	38.118	40.479	29.683
	HEMBA1000087	70.084	17.615	26.544	8.450	17.590	29.220	19.519	22.565
	HEMBA1000088	15.474	8.614	19.903	4.775	4.519	11.446	34.905	6.528
	HEMBA1000091	80.622	38.604	59.393	23.956	44.939	49.760	33.946	24.614
25	HEMBA1000111	85.814	95.270	270.642	75.147	54.384	70.071	29.529	55.422
	HEMBA1000121	55.476	43.368	146.465	37.419	29.398	30.694	17.702	30.398
	HEMBA1000128	37.278	27.165	34.516	13.619	17.702	28.069	12.834	23.965
	HEMBA1000129	51.488	19.659	44.907	12.208	27.243	30.959	24.383	26.851
	HEMBA1000141	12.961	24.515	32.107	14.353	13.502	11.152	8.907	20.635
	HEMBA1000146	29.273	11.479	20.418	8.202	9.575	14.877	10.000	7.817
30	HEMBA1000150	534.562	326.814	684.147	211.774	218.448	322.246	235.752	256.883
	HEMBA1000154	95.272	92.253	101.483	54.276	42.896	75.526	92.689	188.019
	HEMBA1000156	50.177	72.591	58.026	31.149	21.865	38.964	27.634	50.220
	HEMBA1000158	260.718	63.920	89.680	36.337	44.915	93.421	111.344	53.582
	HEMBA1000168	74.416	61.152	62.826	30.512	23.287	34.966	44.005	33.564
	HEMBA1000180	28.502	22.412	28.571	11.701	19.230	10.903	11.731	14.102
35	HEMBA1000185	115.723	50.661	213.984	51.166	43.435	56.261	38.862	44.992
	HEMBA1000188	21.302	14.879	16.948	11.392	11.821	10.656	12.501	6.979
	HEMBA1000193	14.122	8.318	11.905	7.519	4.736	3.349	8.544	7.842
	HEMBA1000194	54.688	49.534	143.817	37.736	20.221	34.328	23.359	56.497
	HEMBA1000201	21.062	14.098	8.690	6.237	5.109	5.059	9.317	10.522
	HEMBA1000213	22.388	25.532	25.777	8.470	17.320	9.084	8.469	11.766
40	HEMBA1000216	65.935	51.368	92.680	19.202	33.659	40.971	36.328	34.891
	HEMBA1000227	52.577	31.332	34.925	19.503	18.411	21.504	22.590	25.781
	HEMBA1000231	114.369	54.299	131.256	38.550	43.246	29.778	24.266	30.410
	HEMBA1000237	91.024	91.360	199.338	58.292	93.250	67.000	49.319	59.288
	HEMBA1000243	53.456	43.969	117.519	38.431	25.396	32.604	38.910	32.153
	HEMBA1000244	173.469	104.733	115.584	33.079	65.527	124.532	90.927	78.610
45	HEMBA1000251	22.709	12.333	14.367	9.019	16.095	13.221	11.516	11.018
	HEMBA1000254	74.060	35.626	130.009	20.848	37.481	24.002	20.553	13.215
	HEMBA1000264	29.478	15.248	23.537	9.473	3.863	11.228	13.690	3.797
	HEMBA1000269	36.718	13.465	28.932	20.412	9.705	12.833	7.348	24.793
	HEMBA1000276	66.201	39.367	84.077	38.846	77.871	49.267	36.211	38.871
	HEMBA1000280	33.299	36.073	54.357	24.720	38.017	35.751	21.696	30.785
50	HEMBA1000282	93.815	121.083	171.037	93.484	123.971	70.384	56.916	92.414
	HEMBA1000287	12.439	24.935	29.793	10.840	37.925	9.632	2.866	7.311
	HEMBA1000288	45.269	30.009	145.363	25.471	9.769	16.272	9.701	15.510
	HEMBA1000290	14.803	5.750	10.615	5.725	2.559	8.602	8.358	9.224
	HEMBA1000296	27.085	22.625	21.195	9.790	16.909	12.402	15.289	17.159
	HEMBA1000300	98.491	119.119	304.884	73.660	85.595	48.175	43.496	66.547
55	HEMBA1000302	23.840	15.442	27.722	16.143	13.081	13.879	8.259	12.569

Table 14

	HEMBA1000303	129.286	51.013	88.777	32.513	50.462	82.994	44.818	49.271
	HEMBA1000304	112.022	67.470	328.677	54.678	79.305	43.526	38.469	55.762
5	HEMBA1000307	14.054	22.013	31.964	13.167	15.571	7.974	10.014	8.685
	HEMBA1000312	97.082	69.330	183.923	45.322	45.087	52.968	37.741	38.246
	HEMBA1000318	16.164	16.264	18.766	11.688	3.620	10.732	8.295	14.675
	HEMBA1000327	29.404	59.618	81.347	41.731	85.004	48.526	49.421	46.866
	HEMBA1000333	16.964	13.930	14.530	1.872	5.776	1.571	0.392	3.743
	HEMBA1000338	121.878	62.572	348.751	55.463	49.114	38.561	30.698	40.644
10	HEMBA1000343	25.229	29.781	46.395	20.673	5.872	16.551	10.139	14.088
	HEMBA1000349	23.061	12.586	31.755	7.020	17.658	11.622	14.807	15.611
	HEMBA1000351	92.847	57.338	196.877	41.762	37.094	35.370	27.645	28.615
	HEMBA1000355	85.210	38.388	64.299	18.101	33.114	43.511	37.808	26.628
	HEMBA1000356	60.438	38.786	62.442	20.784	17.694	38.058	40.431	28.899
	HEMBA1000357	84.898	55.990	206.803	54.151	42.793	39.432	26.076	44.579
15	HEMBA1000366	47.131	42.031	90.450	27.056	20.718	23.499	14.632	23.547
	HEMBA1000369	71.428	40.685	54.384	17.613	21.422	34.985	37.622	36.900
	HEMBA1000370	16.354	14.949	22.988	7.916	18.390	15.359	13.426	8.647
	HEMBA1000376	80.183	75.300	201.705	55.266	66.687	44.612	55.386	56.070
	HEMBA1000387	100.497	129.367	351.196	80.257	104.250	74.007	57.619	79.876
	HEMBA1000389	69.342	34.021	71.118	22.346	27.319	47.936	53.026	34.161
20	HEMBA1000390	19.206	25.788	21.028	12.401	18.372	13.751	16.243	15.036
	HEMBA1000392	19.400	22.884	44.179	8.776	11.742	10.594	12.266	12.463
	HEMBA1000398	75.409	50.195	81.870	27.979	30.393	31.235	17.771	19.584
	HEMBA1000411	35.966	24.397	25.987	10.341	31.398	31.214	50.056	18.580
	HEMBA1000418	8.165	10.778	14.987	4.031	12.495	7.913	6.363	2.306
	HEMBA1000422	93.699	38.329	85.266	39.826	45.992	44.729	42.886	34.308
25	HEMBA1000428	51.017	30.690	79.229	26.579	24.840	17.767	18.424	18.608
	HEMBA1000434	1.747	3.214	11.346	1.210	1.602	2.927	2.788	2.756
	HEMBA1000442	21.750	7.698	16.227	7.252	3.336	17.969	11.723	10.645
	HEMBA1000443	67.291	35.910	34.775	26.420	16.860	31.691	47.856	102.287
	HEMBA1000448	236.986	69.546	90.283	32.233	34.107	119.377	108.645	60.266
	HEMBA1000456	95.368	37.560	63.451	22.640	41.092	65.256	62.972	43.493
	HEMBA1000459	28.924	35.333	74.945	20.475	25.324	26.253	13.654	31.317
30	HEMBA1000460	18.649	27.246	21.973	9.613	15.230	14.091	9.746	16.955
	HEMBA1000482	220.184	42.636	96.490	31.332	83.626	109.503	92.971	62.126
	HEMBA1000484	34.277	15.137	27.210	10.862	15.595	20.793	16.716	16.539
	HEMBA1000488	41.755	41.852	68.356	10.400	23.452	43.909	24.048	22.968
	HEMBA1000468	68.229	71.011	256.705	47.636	29.853	34.188	22.568	39.190
	HEMBA1000477	185.220	47.546	102.939	26.276	40.188	95.247	52.454	28.109
35	HEMBA1000481	47.276	37.528	24.407	17.115	24.182	29.826	20.717	25.819
	HEMBA1000488	96.226	31.249	71.522	21.667	27.715	44.499	53.708	33.306
	HEMBA1000490	29.915	13.747	32.568	14.002	12.056	6.900	11.274	7.559
	HEMBA1000491	80.198	22.903	47.786	20.675	32.551	52.682	37.109	28.282
	HEMBA1000498	191.186	112.767	454.998	88.614	102.997	82.927	53.205	120.837
	HEMBA1000501	57.318	55.923	180.158	44.170	27.291	34.954	18.532	34.117
40	HEMBA1000504	1.033	5.893	7.152	1.726	0.520	2.245	2.551	1.091
	HEMBA1000505	55.746	36.631	48.155	21.562	14.691	34.729	19.508	31.925
	HEMBA1000507	204.165	114.530	305.249	86.138	81.505	97.289	230.331	95.150
	HEMBA1000508	205.724	105.067	309.791	72.709	70.180	77.388	63.849	45.940
	HEMBA1000518	39.157	29.100	31.505	16.650	14.796	15.847	24.729	17.601
	HEMBA1000519	166.937	142.676	468.435	148.478	123.978	128.646	85.670	111.078
45	HEMBA1000520	0.000	0.000	0.000	10.341	10.619	1.488	9.513	9.395
	HEMBA1000523	38.708	22.090	40.875	13.852	21.603	32.384	20.478	21.422
	HEMBA1000531	21.874	34.044	40.027	12.264	11.034	29.775	20.421	12.540
	HEMBA1000534	0.000	0.000	0.000	34.434	48.940	25.365	41.242	72.583
	HEMBA1000538	0.000	0.000	0.000	17.833	19.981	17.606	26.698	23.904
	HEMBA1000540	21.974	47.343	33.145	42.629	27.059	33.931	16.639	31.893
50	HEMBA1000542	64.656	33.152	58.093	30.174	35.278	55.508	47.917	47.623
	HEMBA1000546	148.870	136.401	48.802	8.499	12.534	7.119	25.484	15.094
	HEMBA1000547	14.825	20.199	32.694	7.058	22.359	12.020	13.535	20.227
	HEMBA1000551	163.806	171.089	543.876	131.764	115.775	116.646	69.596	152.516
	HEMBA1000555	10.531	20.199	25.801	24.488	14.071	15.431	5.986	10.933
	HEMBA1000557	80.051	48.396	168.724	37.150	32.863	31.872	22.800	30.926
55	HEMBA1000561	56.992	22.797	51.047	10.187	16.301	34.904	24.661	22.470

Table 15

	HEMBA1000563	9.473	11.545	18.205	6.139	12.689	10.132	7.939	14.253
	HEMBA1000567	41.385	38.483	27.881	32.207	15.544	26.052	15.086	86.601
5	HEMBA1000568	44.686	33.379	126.524	26.300	22.533	17.402	26.970	18.707
	HEMBA1000569	58.184	27.187	41.012	21.787	12.925	36.191	33.944	23.225
	HEMBA1000575	155.833	155.759	434.526	82.140	79.143	69.949	59.928	71.189
	HEMBA1000588	41.087	26.072	31.610	14.580	18.024	18.458	23.553	13.279
	HEMBA1000590	29.693	17.090	23.618	7.069	6.633	16.725	20.068	13.042
	HEMBA1000591	106.772	54.874	98.079	34.099	31.776	57.170	48.488	32.766
10	HEMBA1000592	7.408	10.031	9.435	9.551	8.209	5.142	7.480	10.319
	HEMBA1000594	18.401	11.048	22.547	15.327	9.596	12.099	8.751	6.852
	HEMBA1000604	96.047	78.462	146.030	49.571	36.099	70.815	41.797	47.748
	HEMBA1000607	46.819	15.606	46.037	9.438	19.149	21.038	17.317	25.404
	HEMBA1000608	8.985	3.040	6.705	0.000	7.378	4.453	0.000	5.544
	HEMBA1000622	45.570	55.746	113.666	40.310	18.167	19.390	15.895	29.149
15	HEMBA1000634	126.532	49.146	138.073	29.094	95.787	79.662	60.271	71.657
	HEMBA1000636	151.899	51.270	126.200	39.161	51.864	62.611	54.056	39.415
	HEMBA1000637	33.241	23.587	39.380	18.047	16.265	30.075	28.226	24.559
	HEMBA1000655	80.165	70.766	219.283	58.901	61.320	45.821	40.741	62.639
	HEMBA1000657	60.961	31.993	41.401	18.008	30.565	35.201	35.611	42.178
	HEMBA1000662	8.600	8.490	11.263	5.475	2.201	6.140	1.557	2.504
20	HEMBA1000664	14.358	5.082	3.637	2.670	3.516	4.913	3.094	3.579
	HEMBA1000671	11.588	15.473	26.067	17.940	8.865	7.647	10.779	21.196
	HEMBA1000673	73.174	77.410	193.253	46.051	34.388	33.975	25.896	31.646
	HEMBA1000675	7.666	12.047	22.123	5.764	42.036	15.788	10.254	15.555
	HEMBA1000678	7.453	12.314	21.083	12.174	14.897	12.628	6.969	6.584
	HEMBA1000682	118.965	125.696	255.731	86.894	61.443	66.299	49.060	82.939
25	HEMBA1000686	25.079	17.463	23.126	12.722	10.282	13.835	21.393	18.154
	HEMBA1000702	206.683	94.357	266.585	62.386	79.930	90.914	98.397	60.559
	HEMBA1000705	25.430	25.862	47.190	13.191	19.599	26.364	25.013	18.833
	HEMBA1000713	56.893	25.288	70.751	17.660	24.138	23.311	21.805	21.736
	HEMBA1000718	50.149	43.869	128.515	28.289	23.213	18.458	10.003	17.419
	HEMBA1000719	37.969	17.467	28.513	12.147	12.768	22.643	14.744	14.432
30	HEMBA1000722	15.150	9.762	14.699	6.768	11.726	12.080	5.907	9.953
	HEMBA1000726	159.817	111.276	463.937	91.448	109.093	58.587	46.517	70.087
	HEMBA1000727	22.867	26.803	28.886	21.475	11.199	14.968	8.634	30.401
	HEMBA1000732	28.630	11.011	12.790	4.617	3.548	13.325	19.978	13.472
	HEMBA1000736	24.568	21.982	21.410	7.431	11.376	41.026	31.698	16.801
	HEMBA1000743	0.741	4.467	1.793	1.637	1.227	3.642	4.563	3.368
35	HEMBA1000745	8.930	7.067	14.546	3.314	10.067	5.403	9.225	6.085
	HEMBA1000747	21.442	12.487	25.662	17.081	5.384	10.287	9.865	8.267
	HEMBA1000748	22.924	14.885	35.721	12.634	3.045	11.508	4.110	11.756
	HEMBA1000749	67.267	50.826	159.211	43.879	20.345	29.613	19.447	31.693
	HEMBA1000752	54.929	35.778	162.005	28.209	31.540	25.132	15.650	20.776
	HEMBA1000753	120.889	83.878	155.892	48.092	54.307	53.238	38.941	39.331
40	HEMBA1000757	20.234	22.592	52.608	29.936	23.071	24.503	14.648	43.779
	HEMBA1000760	12.599	38.665	19.973	15.800	30.188	14.155	10.570	39.229
	HEMBA1000769	114.956	74.924	304.424	66.815	39.365	48.405	39.918	55.931
	HEMBA1000773	2.162	5.360	11.883	4.445	0.965	3.158	3.956	2.663
	HEMBA1000774	128.563	115.732	330.111	84.461	69.618	59.363	42.656	56.152
	HEMBA1000780	6.850	7.130	24.176	6.924	6.903	6.546	6.667	9.576
45	HEMBA1000783	8.127	5.076	13.701	3.276	8.863	6.241	5.435	4.429
	HEMBA1000791	41.433	51.546	108.542	29.633	42.735	44.515	43.187	40.856
	HEMBA1000793	108.761	30.885	54.568	18.670	31.512	54.669	45.458	34.788
	HEMBA1000802	15.062	11.125	9.052	10.300	11.505	12.950	15.354	16.952
	HEMBA1000813	106.763	52.683	89.701	32.507	44.369	65.862	59.842	56.798
	HEMBA1000817	19.480	7.070	17.915	4.016	15.239	18.434	11.273	8.079
50	HEMBA1000822	9.520	10.358	15.760	7.218	8.704	11.185	6.639	4.662
	HEMBA1000827	96.001	12.420	24.041	8.305	24.000	6.709	3.488	8.591
	HEMBA1000833	53.675	28.970	35.897	14.604	26.383	29.036	20.591	14.341
	HEMBA1000836	74.696	67.353	83.737	34.349	42.834	61.145	66.784	52.015
	HEMBA1000843	74.227	54.197	92.042	37.825	58.573	98.943	87.569	55.077
	HEMBA1000851	23.913	14.070	13.081	6.847	8.634	12.419	19.200	22.286
55	HEMBA1000852	56.702	54.074	105.085	31.127	34.200	31.843	28.843	30.311
	HEMBA1000867	15.548	10.247	11.912	6.256	1.227	12.374	8.518	5.611

Table 16

HEMBA1000869	19.896	18.785	34.039	15.061	6.930	13.298	14.305	14.712
HEMBA1000870	64.189	38.246	44.665	12.647	23.970	41.195	21.911	17.508
HEMBA1000872	46.848	46.546	86.933	36.087	40.608	42.532	43.479	36.141
HEMBA1000875	35.460	41.166	32.238	11.297	35.077	29.781	19.453	23.540
HEMBA1000876	89.976	56.654	194.869	42.595	57.670	53.567	36.331	40.884
HEMBA1000907	22.959	8.656	10.917	3.599	3.363	5.327	13.032	10.676
HEMBA1000908	45.409	18.456	30.665	12.448	8.174	19.529	24.789	16.299
HEMBA1000910	47.107	13.681	26.933	5.866	7.073	19.938	22.971	11.592
HEMBA1000918	67.437	29.880	114.873	25.206	16.670	25.895	26.769	24.710
HEMBA1000919	44.938	29.704	40.184	22.126	16.008	24.639	23.073	20.233
HEMBA1000934	162.546	35.314	59.012	18.820	30.796	53.492	33.824	20.798
HEMBA1000935	16.284	29.481	71.669	12.587	23.834	13.188	7.830	13.322
HEMBA1000940	44.243	39.296	75.619	25.080	28.113	39.401	25.948	30.168
HEMBA1000942	126.095	96.812	260.912	62.657	49.118	47.891	35.814	49.631
HEMBA1000943	14.439	12.702	14.690	4.792	8.391	11.856	11.039	7.414
HEMBA1000946	15.461	5.506	18.692	9.000	5.772	0.000	19.405	9.939
HEMBA1000960	179.860	151.073	343.747	107.319	85.691	117.093	82.928	94.494
HEMBA1000962	73.395	34.803	60.061	26.562	28.789	47.944	60.067	31.619
HEMBA1000968	14.529	12.486	35.270	18.733	6.213	7.458	7.214	4.624
HEMBA1000971	50.148	19.281	37.515	12.222	19.562	29.874	22.045	23.135
HEMBA1000972	51.100	33.450	188.137	28.972	24.576	23.736	13.731	27.272
HEMBA1000974	5.609	10.649	12.866	2.929	2.603	3.800	6.104	4.964
HEMBA1000975	34.417	19.132	42.499	15.644	4.009	16.478	14.192	14.353
HEMBA1000979	90.061	38.532	99.641	19.754	27.516	38.801	31.347	36.440
HEMBA1000981	35.338	31.281	38.672	19.544	34.385	38.280	24.897	29.059
HEMBA1000983	71.391	34.501	58.683	22.640	32.825	32.384	27.465	31.286
HEMBA1000985	9.290	20.363	22.497	4.058	6.343	9.035	7.852	3.257
HEMBA1000986	128.714	74.713	236.019	56.662	52.957	85.340	63.718	54.892
HEMBA1000991	72.707	55.780	160.717	34.676	32.494	41.317	23.483	37.846
HEMBA1001007	123.690	42.563	69.807	23.525	34.263	47.777	47.496	48.154
HEMBA1001008	124.864	47.842	83.746	18.125	25.490	52.693	30.668	24.961
HEMBA1001009	37.843	29.269	36.715	11.055	17.115	17.937	17.701	22.055
HEMBA1001014	109.049	83.356	233.234	60.123	61.977	94.424	47.095	74.625
HEMBA1001017	50.408	20.212	48.394	16.020	28.537	31.917	27.876	24.283
HEMBA1001019	7.327	7.582	14.865	6.154	10.598	5.643	3.920	7.188
HEMBA1001020	53.067	55.646	115.814	31.640	25.647	24.596	23.146	27.169
HEMBA1001021	115.724	42.415	59.434	28.828	26.181	64.484	64.173	29.614
HEMBA1001022	37.883	25.835	28.969	18.452	20.270	22.790	25.194	20.783
HEMBA1001024	23.524	15.235	16.511	8.023	11.818	13.894	8.606	8.098
HEMBA1001026	21.343	12.515	18.851	6.888	7.288	12.683	8.419	7.418
HEMBA1001043	10.374	11.995	9.892	10.750	19.163	9.289	8.047	8.589
HEMBA1001061	124.869	115.181	387.345	100.376	67.510	61.660	46.295	68.994
HEMBA1001062	38.892	13.860	19.067	12.855	11.445	24.382	15.726	12.323
HEMBA1001069	98.097	41.525	66.565	27.826	26.220	46.725	42.356	36.506
HEMBA1001060	116.857	74.020	161.485	61.750	50.524	52.957	38.575	52.612
HEMBA1001064	32.251	24.026	33.937	14.007	7.907	13.710	17.387	16.720
HEMBA1001071	25.850	16.043	19.924	7.855	3.425	9.530	6.779	24.242
HEMBA1001077	24.689	23.055	64.486	19.413	16.821	16.858	13.165	12.873
HEMBA1001078	33.254	26.761	41.713	26.498	24.531	31.498	25.302	23.636
HEMBA1001080	57.701	23.951	31.254	22.489	24.848	33.265	31.880	26.484
HEMBA1001084	62.698	41.625	171.096	31.438	31.760	24.829	17.487	26.581
HEMBA1001085	159.252	116.909	294.247	77.235	81.384	76.498	59.989	55.574
HEMBA1001088	74.704	42.537	46.695	19.266	25.146	33.498	44.927	26.310
HEMBA1001093	30.048	28.810	72.081	20.831	14.610	11.033	15.558	22.531
HEMBA1001094	5.535	8.779	10.059	3.089	4.628	4.521	4.834	4.468
HEMBA1001099	18.322	24.021	14.814	7.146	13.778	16.055	11.044	10.190
HEMBA1001104	21.919	13.788	35.048	9.637	18.058	24.450	21.559	18.527
HEMBA1001109	186.384	190.240	540.908	155.496	134.630	93.324	78.690	116.187
HEMBA1001114	89.023	252.529	187.547	75.857	35.109	66.259	69.432	341.702
HEMBA1001121	32.820	25.812	89.860	19.710	34.244	18.209	9.519	15.621
HEMBA1001122	3.304	6.213	8.316	4.763	19.120	5.650	4.506	23.059
HEMBA1001123	108.859	55.807	190.789	41.415	39.028	42.683	25.551	30.174
HEMBA1001133	50.744	21.167	36.786	14.764	34.752	26.702	23.524	11.367
HEMBA1001137	38.685	21.659	46.297	21.567	13.174	15.867	11.767	25.508

Table 17

	HEMBA001140	60.453	66.122	169.353	48.837	60.363	44.403	30.367	43.561
	HEMBA001144	278.126	195.811	643.688	207.291	166.089	101.134	106.337	142.120
5	HEMBA001145	58.539	241.368	206.084	46.342	39.316	61.827	91.170	66.852
	HEMBA001158	29.417	28.121	43.877	13.337	24.176	19.965	18.089	28.622
	HEMBA001172	74.727	47.695	213.708	37.115	24.460	26.620	19.178	32.709
	HEMBA001174	6.279	8.617	8.831	7.914	2.574	8.031	3.119	4.980
	HEMBA001175	29.561	34.909	43.568	19.819	34.829	16.588	19.883	17.824
	HEMBA001182	136.762	64.608	105.979	44.066	83.417	86.736	126.297	79.785
10	HEMBA001184	16.758	9.703	22.060	9.016	11.018	10.205	6.347	9.176
	HEMBA001192	15.119	10.798	11.626	6.559	5.736	3.435	9.089	11.273
	HEMBA001197	82.571	114.743	110.687	83.431	56.396	68.797	99.959	173.379
	HEMBA001208	40.250	30.964	37.220	19.514	11.451	24.172	27.637	12.469
	HEMBA001213	81.501	37.345	57.618	18.958	24.480	52.160	51.978	31.326
	HEMBA001214	36.798	16.011	20.958	17.612	12.418	20.697	19.108	21.328
15	HEMBA001221	14.108	10.456	11.382	7.001	17.058	10.307	7.980	11.111
	HEMBA001225	13.961	14.077	13.384	5.925	5.876	13.456	12.076	5.825
	HEMBA001226	173.501	137.685	444.754	120.060	113.306	75.167	63.960	67.304
	HEMBA001228	115.971	48.677	102.518	36.755	64.214	50.002	60.915	35.178
	HEMBA001229	246.802	111.161	135.886	43.460	94.703	148.387	156.871	115.302
	HEMBA001235	43.880	86.102	81.818	36.769	54.172	65.830	70.065	66.201
20	HEMBA001238	67.342	62.561	136.273	36.471	33.652	41.838	26.195	28.747
	HEMBA001242	55.562	43.106	58.593	41.382	47.200	38.498	43.114	44.230
	HEMBA001247	28.768	22.129	16.518	10.576	8.758	17.031	9.651	13.385
	HEMBA001253	58.130	60.415	66.640	18.982	45.992	54.071	95.073	63.393
	HEMBA001257	33.557	18.509	24.256	10.657	12.732	31.261	24.849	9.134
	HEMBA001261	585.214	143.415	243.791	98.186	169.988	310.109	234.388	125.796
25	HEMBA001262	27.336	17.339	19.088	5.647	15.678	20.899	11.464	19.889
	HEMBA001265	36.604	28.090	152.221	27.730	49.893	34.423	16.502	26.993
	HEMBA001266	69.367	67.414	170.657	45.898	31.802	39.554	41.287	52.480
	HEMBA001269	69.921	44.649	36.964	34.126	22.232	42.207	49.848	39.719
	HEMBA001272	20.406	15.416	11.514	7.843	8.604	7.893	20.960	13.545
	HEMBA001279	113.597	76.085	147.371	41.113	50.841	58.248	43.344	47.548
30	HEMBA001281	45.326	37.551	65.225	44.536	46.787	41.371	32.229	56.625
	HEMBA001286	370.697	150.949	236.623	103.571	123.976	219.461	196.233	117.566
	HEMBA001289	41.041	24.670	40.151	15.175	30.612	27.627	26.637	19.344
	HEMBA001291	76.537	40.444	50.226	18.776	38.423	55.355	46.692	35.972
	HEMBA001294	82.258	72.319	157.642	42.143	20.735	29.333	17.711	34.443
	HEMBA001296	53.487	17.150	31.045	10.275	15.918	21.120	15.842	13.595
35	HEMBA001297	13.397	24.306	19.513	11.631	14.701	4.543	9.800	8.121
	HEMBA001299	122.378	135.140	326.747	90.817	73.749	56.152	49.803	80.999
	HEMBA001302	56.839	29.036	56.412	19.108	20.078	34.481	51.929	37.087
	HEMBA001303	14.975	18.442	43.778	16.797	10.985	11.442	9.787	19.264
	HEMBA001306	262.869	135.864	244.234	109.949	109.582	147.334	146.509	115.543
	HEMBA001308	174.017	96.705	220.049	56.953	61.486	74.225	56.171	58.657
40	HEMBA001310	103.029	52.915	67.714	22.895	38.245	67.233	49.204	51.006
	HEMBA001312	98.664	47.333	61.080	18.118	33.555	47.007	41.795	38.627
	HEMBA001319	2.396	8.234	13.960	1.828	6.485	3.003	5.682	3.780
	HEMBA001322	139.794	39.912	105.709	27.700	41.977	70.428	70.602	46.470
	HEMBA001323	33.347	16.728	25.356	11.399	17.982	11.181	6.356	12.033
	HEMBA001326	86.190	37.984	69.933	24.331	30.078	49.223	46.365	16.347
	HEMBA001327	7.232	9.387	23.180	7.314	5.185	9.563	4.423	5.267
45	HEMBA001330	115.768	106.951	275.315	73.389	24.681	70.535	40.088	77.680
	HEMBA001348	15.770	21.874	26.347	9.575	13.666	23.703	12.647	13.724
	HEMBA001350	75.857	38.749	51.454	16.428	34.291	56.400	34.055	24.753
	HEMBA001351	52.274	55.313	56.544	30.621	46.408	29.604	44.212	30.972
	HEMBA001352	68.321	46.617	54.427	17.559	28.887	39.484	52.789	29.131
	HEMBA001353	39.891	57.492	54.971	31.425	27.945	45.687	29.741	66.188
50	HEMBA001358	45.659	52.406	59.774	46.865	40.225	47.618	32.581	59.101
	HEMBA001361	22.908	16.519	28.635	11.897	15.569	13.635	13.938	16.914
	HEMBA001364	18.896	17.205	23.355	7.224	9.469	13.379	76.125	15.026
	HEMBA001375	61.506	22.179	38.795	12.798	25.778	40.077	21.715	22.300
	HEMBA001377	140.430	131.029	307.084	83.191	100.026	74.475	63.988	96.351
	HEMBA001383	23.974	26.206	28.704	11.442	17.819	19.160	16.899	7.766
55	HEMBA001387	58.343	34.130	63.677	19.556	30.371	42.397	40.247	49.239

Table 18

	HEMBA1001388	48.601	24.690	39.877	18.958	10.634	32.922	22.224	33.218
	HEMBA1001390	132.003	94.390	254.352	56.412	64.490	47.169	44.169	57.372
5	HEMBA1001391	18.302	9.686	12.994	6.299	10.600	8.500	7.116	5.544
	HEMBA1001398	91.232	50.992	142.408	36.081	29.548	29.490	28.704	29.984
	HEMBA1001405	58.645	22.354	32.227	15.864	9.285	19.993	24.564	13.964
	HEMBA1001406	36.434	22.693	105.808	18.094	19.994	13.316	18.019	16.592
	HEMBA1001407	38.781	19.637	24.599	18.935	13.107	23.014	18.626	15.060
	HEMBA1001411	28.412	7.180	21.950	8.303	9.708	14.302	8.598	6.663
10	HEMBA1001413	66.736	26.480	35.635	15.400	24.013	18.356	24.304	20.769
	HEMBA1001414	20.720	7.567	18.414	12.522	9.722	12.903	18.283	18.581
	HEMBA1001415	76.802	54.702	159.510	34.156	20.989	32.235	21.694	26.676
	HEMBA1001416	41.784	23.474	29.453	12.230	24.881	24.993	26.847	28.651
	HEMBA1001432	74.066	60.077	190.870	40.409	63.619	36.879	66.751	33.675
	HEMBA1001433	132.672	110.163	246.542	77.852	61.676	50.447	37.821	64.403
15	HEMBA1001435	138.669	108.645	334.104	89.523	68.855	59.723	58.393	56.483
	HEMBA1001442	13.093	8.604	11.177	7.985	15.704	7.291	6.742	6.336
	HEMBA1001446	102.450	63.255	146.442	40.086	27.976	37.353	30.266	41.647
	HEMBA1001450	72.339	35.494	55.103	30.799	31.322	42.457	42.764	41.349
	HEMBA1001454	146.726	128.060	438.247	88.679	43.129	54.712	41.131	31.250
	HEMBA1001455	5.879	8.197	8.325	5.561	4.437	5.252	4.300	7.359
20	HEMBA1001459	17.432	15.927	16.490	6.749	2.733	5.888	7.836	10.963
	HEMBA1001461	61.531	52.734	57.136	38.874	24.764	19.473	23.241	32.318
	HEMBA1001462	10.875	14.911	16.843	12.984	13.465	48.381	7.061	25.992
	HEMBA1001463	137.907	83.753	340.496	93.114	51.866	61.784	37.705	68.960
	HEMBA1001469	85.416	21.757	29.463	15.911	84.887	77.440	27.033	29.537
	HEMBA1001473	20.582	31.855	36.498	8.307	3.680	16.703	21.371	19.890
25	HEMBA1001476	135.720	113.851	246.800	65.595	57.431	63.903	65.229	67.697
	HEMBA1001477	5.228	2.001	4.505	2.645	1.540	3.243	1.426	2.876
	HEMBA1001478	14.335	10.180	12.692	5.468	4.474	5.444	2.171	4.539
	HEMBA1001480	88.891	28.381	49.689	21.660	14.126	36.334	38.272	30.563
	HEMBA1001483	29.872	5.156	20.900	4.647	5.264	9.545	13.805	4.424
	HEMBA1001490	6.867	6.967	14.148	7.289	1.585	5.016	5.792	5.999
30	HEMBA1001495	431.282	118.073	203.714	73.985	176.836	195.947	194.164	146.945
	HEMBA1001497	93.817	60.807	227.867	55.576	41.006	34.182	23.206	45.223
	HEMBA1001510	174.254	120.414	343.336	76.008	76.932	73.234	61.531	76.899
	HEMBA1001515	45.158	26.337	67.169	15.756	15.962	10.664	9.567	12.346
	HEMBA1001517	51.005	47.728	80.287	34.596	28.246	21.020	17.229	33.972
	HEMBA1001522	7.431	8.980	7.032	7.566	5.011	6.466	6.447	4.824
35	HEMBA1001526	48.774	21.300	32.732	18.831	22.395	22.767	23.530	17.914
	HEMBA1001533	129.423	85.570	262.800	70.163	46.649	44.926	26.457	37.421
	HEMBA1001547	59.442	26.856	27.947	8.053	15.558	53.508	108.861	25.371
	HEMBA1001552	41.663	33.242	115.535	26.222	30.447	18.258	21.358	25.853
	HEMBA1001553	58.388	75.765	66.228	32.264	36.396	54.513	64.874	41.905
	HEMBA1001557	182.516	80.827	161.852	89.344	80.644	123.785	111.732	70.946
40	HEMBA1001563	39.649	31.429	85.246	26.057	12.157	15.987	10.065	17.083
	HEMBA1001566	37.835	49.964	108.284	35.793	23.255	25.180	21.368	39.375
	HEMBA1001569	75.584	44.631	109.624	35.487	130.340	63.130	44.960	55.257
	HEMBA1001570	198.300	125.319	444.153	119.332	74.267	79.979	64.732	90.896
	HEMBA1001579	103.128	60.654	48.704	22.469	22.629	67.058	24.391	34.300
	HEMBA1001581	153.698	126.225	312.570	131.687	142.104	91.884	67.267	94.418
	HEMBA1001582	3.551	7.087	15.302	4.019	8.190	4.888	4.671	5.144
45	HEMBA1001585	27.271	18.375	25.179	14.108	5.648	14.993	7.628	12.297
	HEMBA1001589	109.877	22.722	49.216	20.427	22.904	64.665	57.120	21.314
	HEMBA1001596	71.600	62.349	46.938	34.447	29.362	34.516	45.233	35.562
	HEMBA1001604	41.253	27.004	34.167	16.004	6.061	21.932	18.414	23.101
	HEMBA1001608	35.073	29.270	41.525	21.276	22.867	22.699	14.094	15.366
50	HEMBA1001615	556.575	105.703	103.519	47.686	27.311	81.914	42.373	58.652
	HEMBA1001620	134.940	29.972	79.824	31.924	62.056	54.423	64.359	36.203
	HEMBA1001621	70.036	30.704	63.807	15.048	19.545	42.391	33.266	40.516
	HEMBA1001635	39.932	29.397	35.653	16.214	18.765	19.655	22.405	14.095
	HEMBA1001636	73.726	18.596	35.798	14.928	12.865	24.362	31.819	22.414
	HEMBA1001640	48.402	45.105	79.588	28.452	22.449	25.101	30.009	43.819
	HEMBA1001647	82.402	39.456	75.907	35.084	26.220	48.859	71.158	46.463
55	HEMBA1001651	390.307	66.648	181.929	51.802	112.530	208.201	178.161	96.640

Table 19

HEMBA1001655	60.366	18.983	58.438	20.404	25.072	27.162	29.260	26.673
HEMBA1001658	6.754	15.270	17.542	13.420	5.060	4.800	4.973	4.979
HEMBA1001661	87.199	20.304	32.793	13.066	8.394	24.098	22.916	24.583
HEMBA1001665	160.583	20.830	54.460	12.363	48.457	86.024	73.847	21.248
HEMBA1001670	16.953	38.651	17.002	34.999	14.855	17.849	22.906	29.478
HEMBA1001672	32.013	18.885	29.000	10.798	7.763	13.782	17.314	12.393
HEMBA1001673	38.188	67.401	34.336	38.037	14.401	17.612	30.520	43.461
HEMBA1001675	25.652	15.594	33.810	5.390	15.798	13.173	20.020	12.830
HEMBA1001676	91.000	54.310	85.397	92.681	131.468	50.365	47.230	68.405
HEMBA1001678	218.382	128.995	336.408	93.889	115.305	80.843	48.879	83.933
HEMBA1001680	82.159	51.521	165.818	33.978	36.449	33.368	38.495	35.261
HEMBA1001681	1.654	0.785	0.840	2.142	2.581	2.772	2.146	2.424
HEMBA1001684	143.985	84.151	377.154	72.850	69.097	61.638	30.820	52.077
HEMBA1001695	16.068	10.112	14.571	6.860	4.930	4.572	6.164	7.330
HEMBA1001702	26.509	13.637	8.186	8.466	4.041	2.043	3.870	3.613
HEMBA1001709	67.279	26.552	35.845	13.982	21.742	28.610	24.540	19.603
HEMBA1001711	20.072	29.559	39.037	20.902	21.639	12.713	14.718	33.127
HEMBA1001712	80.448	25.222	51.628	19.393	12.482	38.014	39.474	14.831
HEMBA1001714	360.368	55.902	142.225	33.748	51.048	144.094	124.654	59.543
HEMBA1001717	78.599	137.380	18.549	12.298	5.575	38.689	10.120	6.047
HEMBA1001718	51.621	52.280	151.597	31.305	21.166	29.146	14.075	24.411
HEMBA1001723	17.072	13.658	8.625	5.653	8.811	8.350	11.097	7.268
HEMBA1001731	35.728	22.781	41.531	15.151	12.421	15.292	14.020	16.584
HEMBA1001734	52.546	40.599	99.556	25.099	24.031	28.537	17.388	32.936
HEMBA1001738	177.269	58.328	110.046	33.820	58.955	108.630	91.464	62.571
HEMBA1001741	41.432	12.649	29.883	14.886	16.207	10.446	11.420	7.286
HEMBA1001744	5.531	6.849	12.961	13.191	14.151	4.519	8.367	8.623
HEMBA1001745	41.752	17.786	36.239	12.476	21.118	23.635	15.410	16.514
HEMBA1001746	27.437	14.874	24.099	8.668	21.929	19.488	11.306	10.070
HEMBA1001761	93.148	46.911	179.597	28.212	33.421	34.026	19.164	25.901
HEMBA1001762	55.612	45.069	102.148	38.307	35.260	33.316	21.274	45.248
HEMBA1001781	13.298	21.385	26.693	6.898	17.098	52.601	11.768	23.068
HEMBA1001784	89.965	43.765	70.064	26.575	31.708	50.347	52.265	31.618
HEMBA1001791	182.379	81.719	171.066	44.628	49.350	82.856	58.215	48.207
HEMBA1001794	248.582	163.789	153.778	73.632	50.595	152.279	178.827	132.329
HEMBA1001800	23.432	21.165	27.668	11.281	20.728	24.910	36.900	22.729
HEMBA1001803	17.343	8.333	22.801	6.620	6.043	7.560	6.613	10.079
HEMBA1001804	109.775	44.797	59.456	29.337	34.849	44.372	36.696	35.851
HEMBA1001808	78.129	23.567	38.056	15.858	23.507	27.136	14.673	12.332
HEMBA1001809	66.887	31.733	54.127	33.314	26.179	35.618	41.552	46.141
HEMBA1001811	58.974	24.196	37.583	17.314	16.018	21.582	15.074	19.831
HEMBA1001815	71.286	63.775	155.707	37.153	29.944	36.297	25.257	24.172
HEMBA1001816	38.494	19.017	16.797	7.139	5.598	16.061	22.304	14.646
HEMBA1001819	18.590	21.371	38.109	20.938	21.358	15.313	14.817	25.144
HEMBA1001820	10.884	9.530	8.017	3.507	4.470	3.473	2.999	3.099
HEMBA1001822	74.239	95.719	91.314	62.121	28.285	42.988	38.222	47.532
HEMBA1001824	155.543	93.583	301.248	95.135	67.478	89.045	64.562	61.114
HEMBA1001835	23.616	7.706	25.753	5.777	19.660	19.809	12.020	10.462
HEMBA1001844	149.876	52.023	230.213	48.968	42.113	39.652	33.559	40.495
HEMBA1001847	52.045	19.220	40.636	20.235	5.196	35.109	20.186	35.814
HEMBA1001849	101.048	104.708	250.547	53.025	28.022	40.644	33.371	35.250
HEMBA1001850	105.331	27.032	39.813	15.808	31.525	42.751	44.306	18.213
HEMBA1001861	3.104	4.469	6.763	3.292	4.454	2.945	0.995	3.121
HEMBA1001862	50.279	145.708	102.412	25.750	34.563	40.833	22.588	71.713
HEMBA1001864	24.313	31.572	50.378	32.237	24.991	21.182	21.031	28.126
HEMBA1001866	57.711	54.190	146.615	31.714	19.527	26.041	22.874	21.249
HEMBA1001869	55.280	99.559	58.454	35.799	45.195	40.562	22.644	40.891
HEMBA1001871	75.011	44.336	77.195	41.540	39.300	54.584	34.598	42.631
HEMBA1001876	34.287	31.955	30.568	85.092	19.827	15.356	8.554	21.861
HEMBA1001878	17.361	17.619	17.545	15.644	5.481	11.657	14.965	18.117
HEMBA1001879	57.004	22.429	37.128	16.562	20.200	35.414	21.946	17.114
HEMBA1001884	68.009	84.640	41.930	38.470	27.460	36.604	25.345	26.320
HEMBA1001886	12.711	12.605	37.824	31.827	15.893	14.038	6.697	38.737
HEMBA1001888	63.251	46.960	165.623	41.706	21.154	29.117	21.131	33.090

Table 20

	HEMBA1001890	42.902	42.848	42.779	30.112	25.432	24.430	22.605	26.730
	HEMBA1001896	66.448	24.720	44.103	21.972	17.708	30.703	19.628	23.571
5	HEMBA1001899	36.251	25.553	24.121	14.701	12.301	21.838	17.455	20.813
	HEMBA1001904	54.904	256.020	233.857	243.648	55.587	234.548	188.571	526.744
	HEMBA1001910	40.309	10.865	13.738	11.244	8.226	15.367	15.894	13.300
	HEMBA1001911	35.962	23.128	26.357	25.151	11.860	24.224	22.870	18.238
	HEMBA1001912	59.924	66.966	97.679	61.180	45.903	33.336	33.019	40.551
	HEMBA1001913	175.368	39.664	67.432	33.132	26.376	63.459	70.607	52.824
10	HEMBA1001915	14.756	14.666	30.224	8.295	7.629	17.718	8.737	8.522
	HEMBA1001918	5.018	8.961	27.591	7.538	11.032	8.265	4.852	4.772
	HEMBA1001921	4.431	8.444	18.196	11.252	12.587	7.417	7.668	2.769
	HEMBA1001931	3.948	0.000	4.664	1.422	3.480	2.935	1.127	2.898
	HEMBA1001939	94.821	24.679	81.706	24.209	16.592	37.223	29.835	13.058
	HEMBA1001940	54.512	33.931	145.138	26.273	27.653	18.649	13.136	19.614
15	HEMBA1001942	38.572	16.710	32.402	18.718	14.782	25.435	26.410	16.143
	HEMBA1001944	210.898	71.197	96.883	48.156	38.533	82.132	92.097	74.740
	HEMBA1001945	31.531	17.019	14.533	10.175	3.037	17.421	12.222	11.694
	HEMBA1001950	7.103	7.424	9.611	3.281	4.091	7.632	5.310	4.044
	HEMBA1001951	46.024	19.234	101.026	19.207	13.212	23.714	20.006	19.402
	HEMBA1001958	44.554	12.806	35.277	17.321	13.181	22.652	28.735	20.948
20	HEMBA1001960	20.513	7.802	16.888	8.822	2.948	8.826	10.834	12.935
	HEMBA1001962	4.367	5.104	4.205	2.811	3.031	4.870	2.364	2.994
	HEMBA1001964	35.944	22.281	62.761	18.757	6.653	17.775	-8.068	8.601
	HEMBA1001967	47.345	29.504	42.717	13.526	22.051	33.555	23.601	37.521
	HEMBA1001979	35.138	6.478	16.732	12.797	5.919	13.447	10.355	9.155
	HEMBA1001987	60.083	52.275	190.331	45.735	24.898	26.381	17.514	28.891
25	HEMBA1001991	111.286	79.833	276.568	56.455	50.862	50.789	40.252	54.919
	HEMBA1002003	66.389	23.989	53.710	17.039	17.174	30.547	26.422	24.474
	HEMBA1002005	86.885	41.457	150.127	33.935	15.339	24.541	24.237	27.345
	HEMBA1002008	32.101	25.375	86.511	18.349	8.912	7.593	18.519	14.967
	HEMBA1002018	66.105	22.380	36.174	16.334	21.482	27.922	34.098	27.804
	HEMBA1002022	13.986	8.018	13.490	0.000	2.985	5.730	6.036	1.433
	HEMBA1002029	132.547	305.823	115.974	144.692	70.087	74.071	37.046	204.730
30	HEMBA1002030	17.077	10.337	14.524	5.906	8.466	5.897	6.258	6.824
	HEMBA1002035	48.658	12.959	10.324	14.325	7.176	14.446	14.084	13.506
	HEMBA1002037	16.343	34.097	27.567	14.461	12.568	16.087	13.819	12.140
	HEMBA1002038	68.477	31.733	91.391	16.935	8.370	6.020	17.500	19.367
	HEMBA1002039	15.944	22.707	17.807	13.914	7.910	3.306	4.716	11.003
	HEMBA1002042	41.657	27.877	32.654	21.111	14.815	10.217	24.300	22.659
35	HEMBA1002043	149.364	92.912	208.642	70.906	53.861	84.089	81.242	61.829
	HEMBA1002048	137.253	29.889	60.279	19.894	21.605	68.594	55.483	30.137
	HEMBA1002049	98.417	84.099	271.170	63.157	87.434	48.247	39.557	53.676
	HEMBA1002053	33.636	19.194	25.821	11.890	16.358	16.441	25.376	27.152
	HEMBA1002055	67.115	34.916	39.511	37.518	17.449	25.297	28.606	39.067
	HEMBA1002056	13.684	12.039	16.129	14.136	1.311	8.564	4.481	12.538
40	HEMBA1002061	11.815	14.960	29.478	10.168	10.973	11.179	9.701	8.124
	HEMBA1002080	59.350	80.319	81.497	43.371	72.416	39.904	45.653	53.581
	HEMBA1002084	11.331	7.502	15.981	7.301	10.773	13.652	6.835	5.555
	HEMBA1002085	69.868	62.174	111.196	13.760	19.083	101.175	43.117	14.011
	HEMBA1002092	127.409	33.016	60.924	24.219	32.654	72.141	50.433	27.770
	HEMBA1002098	34.645	16.695	25.357	15.741	15.632	18.082	12.882	20.451
45	HEMBA1002100	118.301	90.733	129.453	60.276	41.079	89.713	44.294	67.352
	HEMBA1002101	57.160	69.427	106.418	34.067	32.565	38.238	15.932	74.139
	HEMBA1002102	104.746	76.058	178.766	45.801	50.114	53.399	40.628	54.459
	HEMBA1002105	35.380	25.812	31.300	14.131	14.867	29.842	22.894	23.960
	HEMBA1002107	62.621	45.738	65.486	28.199	31.808	52.057	163.850	77.437
	HEMBA1002113	745.018	396.517	1335.986	321.385	369.500	391.825	236.013	348.025
50	HEMBA1002119	35.812	23.546	72.351	18.292	19.991	18.086	26.533	25.611
	HEMBA1002125	42.106	14.033	45.440	15.858	20.474	47.217	28.894	33.563
	HEMBA1002131	84.269	29.512	46.944	12.807	29.311	40.381	49.691	37.106
	HEMBA1002133	37.736	19.103	27.034	45.990	11.161	21.694	20.410	24.305
	HEMBA1002139	25.756	10.925	20.941	4.978	11.839	9.451	7.795	9.431
	HEMBA1002141	20.036	14.349	19.713	9.608	3.638	14.521	10.225	10.190
55	HEMBA1002144	86.856	68.335	193.756	56.749	45.612	36.918	23.020	39.262

Table 21

HEMBA1002147	135.045	48.848	87.208	42.412	46.318	67.257	83.313	45.988
HEMBA1002150	347.113	89.434	182.502	48.715	86.270	215.282	234.394	85.507
HEMBA1002151	60.410	19.140	11.868	10.122	7.938	26.996	19.485	14.196
HEMBA1002153	32.258	25.478	35.746	20.325	25.638	15.972	26.019	19.827
HEMBA1002155	118.226	31.167	44.382	21.446	21.743	47.426	40.620	16.858
HEMBA1002160	166.654	114.853	336.241	90.651	71.047	63.857	41.633	55.419
HEMBA1002161	72.851	68.019	132.156	42.302	37.035	29.438	49.436	41.818
HEMBA1002162	122.516	62.989	307.464	68.589	51.141	55.242	37.823	54.952
HEMBA1002163	49.889	43.602	64.932	20.426	7.151	0.000	30.979	32.578
HEMBA1002164	110.221	59.044	71.408	32.652	19.476	39.440	43.639	52.404
HEMBA1002166	312.686	256.137	768.834	194.638	171.071	159.271	134.442	213.993
HEMBA1002167	139.053	18.430	69.693	11.057	30.091	50.202	48.620	13.648
HEMBA1002173	137.562	47.918	197.006	36.833	26.164	29.478	20.169	23.078
HEMBA1002177	100.895	25.141	41.676	25.857	17.903	28.153	22.687	14.081
HEMBA1002178	102.831	19.500	46.717	13.290	32.323	37.856	44.115	27.390
HEMBA1002179	55.617	56.403	85.686	45.680	26.918	60.684	59.110	64.849
HEMBA1002185	85.236	71.958	212.844	43.915	27.049	32.172	22.480	32.386
HEMBA1002188	79.413	28.280	31.826	23.275	21.094	33.295	36.478	18.236
HEMBA1002189	56.349	70.609	148.011	47.092	32.460	30.101	34.751	30.532
HEMBA1002191	149.027	80.765	149.493	49.599	42.372	60.095	35.614	44.348
HEMBA1002192	15.125	24.996	24.821	15.373	16.495	12.778	5.075	13.566
HEMBA1002195	57.368	28.635	52.828	16.254	22.600	31.843	32.995	29.791
HEMBA1002196	14.884	12.040	38.633	16.632	15.443	16.808	12.691	17.451
HEMBA1002199	24.937	13.539	27.878	15.728	17.426	10.639	19.664	8.927
HEMBA1002204	9.525	5.141	14.869	6.784	4.619	10.508	27.618	9.410
HEMBA1002208	80.832	44.154	68.317	68.994	37.453	74.064	81.827	112.620
HEMBA1002212	8.709	6.241	10.946	9.855	2.602	5.864	6.366	4.214
HEMBA1002215	36.521	28.098	31.165	18.157	20.170	17.045	19.124	21.605
HEMBA1002217	50.834	62.759	64.668	59.460	28.990	37.379	29.963	64.813
HEMBA1002220	27.731	14.997	21.655	8.451	6.409	5.663	1.641	6.714
HEMBA1002226	91.222	113.507	269.906	85.183	68.283	59.461	56.996	78.924
HEMBA1002227	55.957	91.527	79.169	45.309	54.892	28.856	14.142	101.597
HEMBA1002229	170.518	117.589	418.739	112.916	121.703	85.889	63.450	90.668
HEMBA1002237	47.252	49.329	124.721	32.838	24.807	23.399	15.399	26.185
HEMBA1002239	103.363	107.010	190.830	54.740	72.381	50.451	45.873	70.581
HEMBA1002241	70.729	45.281	81.541	43.824	30.449	54.328	62.401	55.767
HEMBA1002253	25.559	27.877	35.744	16.605	13.851	18.938	18.391	14.286
HEMBA1002257	6.344	5.787	15.404	4.338	1.225	7.119	4.456	3.711
HEMBA1002259	48.436	19.578	38.228	12.675	21.884	23.928	18.619	17.988
HEMBA1002262	271.029	219.564	645.284	192.481	147.403	112.552	83.057	137.280
HEMBA1002265	56.947	30.786	32.747	24.827	15.078	28.043	29.609	27.237
HEMBA1002267	108.413	102.522	243.566	58.776	30.097	53.750	24.099	29.752
HEMBA1002270	51.540	26.396	27.766	20.313	15.579	28.348	19.144	16.695
HEMBA1002286	44.897	17.027	19.776	11.608	10.900	25.959	14.425	10.031
HEMBA1002290	46.449	29.289	34.095	19.879	8.778	26.461	22.368	13.907
HEMBA1002302	152.883	48.105	92.158	43.064	48.204	66.899	80.872	58.027
HEMBA1002304	6.050	6.814	19.492	7.905	4.038	7.098	5.307	1.737
HEMBA1002307	100.402	132.737	29.225	24.612	24.050	42.355	39.076	37.573
HEMBA1002316	504.772	93.620	191.534	46.814	134.386	238.599	265.167	88.087
HEMBA1002318	2.668	2.456	9.670	0.933	4.715	4.369	5.615	4.579
HEMBA1002320	10.783	7.936	12.646	4.775	10.008	4.330	5.128	3.630
HEMBA1002321	10.743	9.992	10.165	4.549	2.547	7.952	4.048	5.700
HEMBA1002328	89.382	28.578	41.753	17.175	20.280	46.772	34.722	18.301
HEMBA1002333	63.542	21.208	32.148	11.559	15.490	29.410	33.449	21.452
HEMBA1002337	93.059	61.863	189.067	60.545	43.745	40.085	13.954	34.456
HEMBA1002339	354.195	154.586	211.807	141.794	124.733	173.522	284.831	192.502
HEMBA1002341	116.488	29.538	63.800	15.812	36.228	50.321	45.600	28.278
HEMBA1002348	6.882	4.859	18.593	4.056	4.011	5.790	4.476	4.606
HEMBA1002349	6.318	7.600	13.603	5.490	2.590	6.088	1.306	3.748
HEMBA1002353	14.497	13.001	12.249	10.426	11.840	13.977	17.141	16.760
HEMBA1002356	104.283	29.278	40.945	24.892	20.681	42.242	45.108	28.190
HEMBA1002357	64.855	261.508	218.532	215.420	68.836	206.728	136.339	380.371
HEMBA1002360	87.281	64.882	77.475	30.773	56.108	61.060	59.371	56.291
HEMBA1002363	71.449	51.764	63.278	52.711	43.280	33.755	31.248	49.484

Table 22

	HEMBA1002365	13.435	10.346	9.534	5.175	9.470	4.446	10.802	9.325
	HEMBA1002370	29.997	4.107	11.054	4.163	3.224	9.009	7.477	2.921
5	HEMBA1002374	91.498	18.475	11.325	15.862	10.204	18.275	29.203	18.856
	HEMBA1002376	186.416	75.425	127.578	52.056	38.450	99.590	90.190	86.994
	HEMBA1002377	81.350	41.908	63.893	37.221	23.657	110.374	162.166	50.770
	HEMBA1002380	189.521	137.466	477.021	137.908	491.500	90.431	81.778	127.767
	HEMBA1002381	195.037	101.891	447.953	125.938	88.330	90.756	70.293	106.965
	HEMBA1002384	35.247	22.319	42.496	14.694	19.780	40.126	24.243	12.399
10	HEMBA1002389	44.796	8.467	36.790	11.793	9.362	18.736	15.497	20.728
	HEMBA1002396	101.267	69.467	33.025	16.553	26.429	25.964	22.294	23.666
	HEMBA1002402	75.818	24.148	28.457	8.848	9.913	21.219	16.569	22.818
	HEMBA1002417	132.807	33.708	84.436	22.910	38.826	58.589	58.836	38.486
	HEMBA1002419	75.547	31.202	41.690	13.558	16.457	27.281	19.705	13.013
	HEMBA1002420	20.818	20.448	35.659	17.034	13.878	23.652	14.721	24.637
15	HEMBA1002421	23.903	25.285	59.023	7.957	14.189	24.230	61.011	21.849
	HEMBA1002423	12.762	11.755	25.941	12.938	14.177	14.263	12.495	7.512
	HEMBA1002424	111.995	32.293	46.657	24.424	25.667	42.797	41.513	31.249
	HEMBA1002426	60.617	23.489	46.906	20.305	25.173	30.860	37.738	21.223
	HEMBA1002430	24.143	3.128	4.900	1.517	4.594	3.316	8.552	3.069
	HEMBA1002439	59.808	37.476	93.025	16.789	23.324	47.857	33.099	27.888
20	HEMBA1002441	77.869	99.262	110.341	38.723	34.562	65.309	85.421	66.581
	HEMBA1002454	58.292	15.281	38.384	7.520	19.044	25.972	22.845	22.015
	HEMBA1002458	57.329	46.103	101.242	30.906	82.184	61.800	26.094	59.039
	HEMBA1002460	32.814	9.205	25.085	12.160	23.009	18.683	14.678	14.249
	HEMBA1002462	98.420	38.135	55.208	10.919	24.257	49.697	43.851	32.387
	HEMBA1002465	11.819	15.260	28.272	11.939	11.225	10.938	13.593	20.635
25	HEMBA1002469	129.538	61.348	120.187	39.999	39.213	76.320	69.012	86.309
	HEMBA1002475	3.180	5.116	4.323	2.230	1.467	4.495	10.058	15.691
	HEMBA1002477	93.696	64.730	238.114	55.207	43.349	42.487	29.532	52.786
	HEMBA1002480	210.023	58.823	84.566	37.478	45.060	106.554	97.791	70.487
	HEMBA1002481	104.499	76.474	222.903	71.502	68.097	67.421	42.334	82.875
	HEMBA1002486	81.465	42.269	169.291	49.953	40.852	39.475	29.153	26.233
	HEMBA1002490	66.695	11.331	31.314	14.602	25.852	35.945	35.954	15.278
30	HEMBA1002495	59.387	12.315	25.235	7.937	4.091	17.402	14.269	10.773
	HEMBA1002498	56.425	23.969	67.108	11.632	15.655	24.420	8.272	12.219
	HEMBA1002501	40.955	16.994	22.074	13.575	16.498	21.707	39.506	24.619
	HEMBA1002503	81.763	65.044	154.595	39.638	33.778	31.214	32.219	26.800
	HEMBA1002504	155.357	95.219	279.391	90.092	120.246	70.516	52.190	53.323
	HEMBA1002508	99.443	88.234	259.961	107.085	79.039	59.181	59.924	61.423
35	HEMBA1002513	50.560	22.902	30.431	26.184	20.783	30.500	32.903	22.864
	HEMBA1002515	60.938	23.064	25.098	16.172	5.716	20.264	20.643	13.727
	HEMBA1002524	94.350	36.789	56.675	25.998	28.978	49.840	57.148	25.205
	HEMBA1002538	116.609	19.632	26.764	12.798	20.203	16.422	17.588	15.759
	HEMBA1002542	81.641	81.952	188.888	54.986	41.864	32.890	30.719	38.321
	HEMBA1002544	52.394	49.175	98.415	47.569	28.375	28.766	20.948	21.614
40	HEMBA1002546	76.538	62.763	156.051	47.625	74.374	45.975	34.756	46.753
	HEMBA1002547	11.448	4.516	10.647	4.733	12.220	11.801	8.959	7.127
	HEMBA1002550	67.373	39.322	48.468	15.671	16.497	121.814	94.586	25.401
	HEMBA1002561	94.391	14.109	27.085	11.976	8.787	41.811	16.656	18.665
	HEMBA1002562	204.583	77.430	205.444	49.448	44.756	67.408	63.216	57.684
	HEMBA1002565	25.583	16.987	6.743	7.020	5.608	14.795	10.111	7.416
45	HEMBA1002568	92.744	77.405	245.703	59.079	41.247	33.253	41.617	41.270
	HEMBA1002561	53.810	51.725	155.895	34.956	27.689	17.264	10.138	27.124
	HEMBA1002562	15.261	10.822	15.435	8.269	18.723	12.036	9.056	10.429
	HEMBA1002568	24.946	17.442	35.354	17.552	10.576	15.262	16.158	22.328
	HEMBA1002569	112.340	34.133	118.192	37.823	57.431	54.936	26.164	27.309
	HEMBA1002570	43.528	50.809	52.195	34.901	23.728	28.874	9.812	50.494
50	HEMBA1002574	106.101	25.148	46.793	16.369	26.322	57.278	42.795	31.310
	HEMBA1002583	36.042	17.582	15.178	12.456	13.418	20.158	16.837	16.418
	HEMBA1002587	61.527	32.123	45.811	22.217	18.874	32.461	40.250	39.915
	HEMBA1002590	151.583	106.074	287.276	84.766	32.321	58.221	38.642	53.855
	HEMBA1002592	97.854	85.949	220.496	89.335	52.684	53.653	35.724	57.578
	HEMBA1002595	146.016	25.688	60.427	24.156	31.909	86.770	79.174	26.760
55	HEMBA1002609	97.442	41.926	56.054	29.427	35.650	35.839	44.688	47.074

Table 23

	HEMBA1002617	26.792	86.617	59.446	73.277	12.909	21.055	16.612	49.136
	HEMBA1002619	101.131	25.998	30.959	15.921	21.913	40.814	35.003	28.108
5	HEMBA1002621	14.592	25.845	18.082	8.927	7.391	8.869	5.823	12.283
	HEMBA1002624	254.635	42.837	73.568	48.036	71.673	113.228	101.786	53.514
	HEMBA1002628	13.044	21.509	23.649	9.956	16.559	10.257	7.527	11.624
	HEMBA1002629	32.199	16.370	29.306	15.884	5.722	15.410	42.964	19.680
	HEMBA1002632	55.206	48.044	90.986	36.904	27.840	28.811	37.912	40.048
	HEMBA1002645	95.909	89.897	220.184	68.171	48.643	56.847	41.355	59.667
10	HEMBA1002651	39.882	27.730	33.313	18.958	11.617	23.904	29.214	16.599
	HEMBA1002652	107.869	24.187	46.646	22.248	22.950	37.216	25.827	23.282
	HEMBA1002659	133.320	62.916	259.854	57.860	53.172	46.511	45.193	47.291
	HEMBA1002661	88.495	68.014	154.170	35.196	22.499	26.290	22.314	23.727
	HEMBA1002666	34.174	20.511	39.391	17.036	15.852	20.842	19.202	13.470
	HEMBA1002667	155.384	166.244	164.658	29.523	520.013	30.234	25.612	83.769
15	HEMBA1002673	71.650	40.718	73.822	33.403	39.914	40.129	38.619	22.532
	HEMBA1002678	161.681	89.986	247.534	84.722	54.176	46.941	61.944	77.085
	HEMBA1002679	56.416	61.838	66.537	37.679	18.172	29.420	38.238	44.113
	HEMBA1002688	6.756	3.364	5.387	3.816	1.793	4.608	3.600	2.944
	HEMBA1002696	49.639	17.555	29.241	14.788	12.463	31.752	34.100	14.772
	HEMBA1002703	185.328	96.718	97.793	54.473	50.688	113.980	87.727	59.878
20	HEMBA1002708	49.533	30.340	35.679	18.469	19.118	26.777	29.277	29.224
	HEMBA1002712	52.878	59.111	110.506	41.591	43.597	39.604	30.872	26.457
	HEMBA1002715	149.045	59.858	87.643	47.473	41.264	95.279	127.808	65.580
	HEMBA1002716	23.142	6.155	17.077	15.783	23.557	19.064	27.647	7.572
	HEMBA1002718	26.328	19.063	41.749	26.345	16.735	28.367	26.822	21.779
	HEMBA1002728	117.984	88.950	293.019	81.290	43.679	65.830	46.321	57.003
25	HEMBA1002730	131.726	26.862	67.877	28.628	36.686	49.987	50.380	43.208
	HEMBA1002734	77.679	26.481	34.604	21.128	21.756	41.413	60.057	45.992
	HEMBA1002742	10.730	11.276	12.768	7.910	1.394	8.502	8.297	10.909
	HEMBA1002746	60.876	22.803	35.400	15.830	15.630	30.605	31.889	32.759
	HEMBA1002748	76.748	26.130	38.669	17.760	32.833	43.493	53.440	49.691
	HEMBA1002750	40.663	45.306	95.205	18.200	10.037	22.527	29.331	30.774
30	HEMBA1002755	94.758	62.505	220.964	63.414	37.572	44.693	28.497	39.737
	HEMBA1002759	13.935	3.117	8.450	3.792	2.291	8.714	10.261	5.285
	HEMBA1002763	430.941	88.931	172.920	71.623	88.821	185.471	197.995	118.224
	HEMBA1002767	65.682	25.272	35.782	14.035	19.183	31.497	33.393	18.347
	HEMBA1002768	100.803	57.554	59.457	35.570	28.006	43.770	40.930	38.215
	HEMBA1002769	103.210	30.238	54.098	17.099	19.753	35.636	41.922	26.940
35	HEMBA1002770	20.350	16.268	28.054	21.736	10.754	12.030	14.991	11.776
	HEMBA1002777	130.815	37.655	72.072	41.794	31.219	54.881	59.342	43.652
	HEMBA1002779	97.457	29.259	75.705	22.719	22.643	33.689	38.357	27.804
	HEMBA1002780	72.338	50.411	181.356	42.070	19.957	31.370	27.642	39.672
	HEMBA1002790	87.371	61.291	152.514	38.033	29.616	28.032	20.352	34.761
40	HEMBA1002794	202.405	77.515	95.182	31.252	41.834	100.167	80.301	50.036
	HEMBA1002798	9.194	21.334	22.468	20.281	12.823	11.156	11.647	15.735
	HEMBA1002801	10.311	4.603	11.704	3.190	4.420	3.016	13.829	6.693
	HEMBA1002810	42.583	45.313	55.088	35.418	29.480	60.935	44.046	51.794
	HEMBA1002816	52.084	37.823	56.994	35.902	25.574	33.389	50.974	49.045
	HEMBA1002818	321.516	100.826	187.799	84.893	81.695	152.339	171.186	117.409
	HEMBA1002820	139.924	107.278	533.137	90.533	79.745	59.869	54.302	52.958
45	HEMBA1002826	40.776	6.495	16.825	5.349	3.319	11.765	7.355	8.363
	HEMBA1002833	119.102	44.248	40.839	17.864	23.748	44.398	57.302	36.688
	HEMBA1002850	5.941	8.407	13.251	6.179	2.932	4.352	4.844	3.735
	HEMBA1002862	60.735	32.524	30.030	9.693	9.527	27.595	19.397	18.101
	HEMBA1002863	77.126	30.401	44.872	22.577	28.639	50.264	55.374	45.005
	HEMBA1002867	25.385	13.583	42.122	16.283	9.501	22.992	15.180	16.196
50	HEMBA1002876	101.249	55.603	38.073	36.480	23.017	53.318	51.363	56.689
	HEMBA1002886	9.474	14.188	23.688	7.657	11.980	14.640	6.432	18.574
	HEMBA1002896	78.580	27.420	49.774	16.754	20.366	36.684	35.283	42.662
	HEMBA1002913	126.001	32.845	58.138	14.590	22.846	54.873	56.608	38.801
	HEMBA1002921	63.378	25.443	37.615	15.333	19.054	28.881	37.595	34.298
	HEMBA1002924	65.007	29.109	104.125	15.411	19.920	31.099	23.998	19.182
	HEMBA1002934	432.841	308.291	644.522	180.470	145.293	273.733	166.153	242.809
55	HEMBA1002935	92.005	52.184	221.722	49.477	41.867	34.331	29.646	38.889

Table 24

HEMBA1002937	38.698	30.844	33.817	12.784	18.251	14.107	24.131	18.662
HEMBA1002938	39.755	22.867	33.838	19.077	13.734	19.266	17.364	17.750
HEMBA1002944	53.762	33.349	51.861	21.860	18.241	23.920	21.112	16.286
HEMBA1002951	38.716	29.783	39.196	19.808	28.614	19.702	28.422	21.177
HEMBA1002954	24.907	8.542	20.941	9.265	13.758	15.056	7.297	13.424
HEMBA1002962	86.680	62.578	220.246	62.027	37.753	44.037	31.812	41.725
HEMBA1002968	105.871	78.850	221.414	65.545	40.380	43.093	38.816	50.281
HEMBA1002970	48.034	34.741	30.834	18.482	6.639	17.125	23.514	36.180
HEMBA1002971	39.492	44.145	35.618	25.614	12.932	25.193	14.823	23.202
HEMBA1002973	83.710	70.965	158.167	43.307	28.902	29.947	26.101	34.769
HEMBA1002978	35.833	19.362	27.056	13.075	20.398	11.324	16.059	13.956
HEMBA1002981	107.112	35.200	56.576	23.695	26.105	33.054	37.199	21.249
HEMBA1002985	79.217	44.154	116.532	27.950	26.158	37.462	28.927	20.335
HEMBA1002986	61.056	78.203	68.834	49.967	64.529	38.333	28.919	20.529
HEMBA1002988	37.307	36.609	71.802	20.621	8.965	16.229	15.956	22.796
HEMBA1002992	97.720	72.656	79.841	50.454	34.289	57.004	61.291	91.211
HEMBA1002995	51.473	63.779	55.081	36.903	25.007	38.630	19.510	48.529
HEMBA1002997	41.734	70.805	29.264	27.019	33.664	24.201	18.442	25.973
HEMBA1002999	35.341	16.456	18.357	11.146	7.034	12.086	13.966	9.970
HEMBA1003004	55.654	33.689	35.194	15.119	16.204	20.866	27.891	20.055
HEMBA1003006	40.682	24.886	20.750	20.903	26.595	25.446	20.310	20.924
HEMBA1003008	29.269	20.922	74.697	25.061	17.787	10.271	5.688	12.638
HEMBA1003021	130.889	123.646	311.225	101.957	95.443	64.844	60.969	90.296
HEMBA1003027	54.935	32.610	44.710	18.890	52.131	26.286	28.112	31.561
HEMBA1003029	33.333	42.436	60.787	20.829	34.111	29.704	49.230	45.833
HEMBA1003031	34.000	25.311	18.494	14.998	13.316	13.955	15.773	27.136
HEMBA1003032	171.114	46.990	71.365	23.640	50.526	81.278	84.036	46.352
HEMBA1003033	168.563	118.674	378.771	109.222	90.670	70.150	55.336	77.819
HEMBA1003034	173.162	127.221	484.135	108.238	85.630	81.733	36.799	63.312
HEMBA1003035	11.693	5.195	9.305	4.478	5.058	11.024	2.553	4.409
HEMBA1003037	261.159	89.481	145.321	58.521	65.732	104.677	89.571	71.674
HEMBA1003041	103.945	106.085	291.931	93.188	75.193	53.097	39.564	58.217
HEMBA1003046	40.264	39.965	46.856	26.192	11.615	35.859	25.378	32.416
HEMBA1003047	127.888	49.341	139.750	32.219	32.320	57.450	33.390	28.702
HEMBA1003048	87.433	35.962	42.305	12.040	20.442	39.108	29.597	21.461
HEMBA1003064	6.366	8.535	6.201	8.809	4.415	7.239	3.330	7.829
HEMBA1003067	55.833	34.508	77.097	26.154	20.523	28.755	24.783	17.488
HEMBA1003071	54.728	22.509	28.869	17.461	19.647	20.624	22.285	19.438
HEMBA1003072	62.421	30.769	31.225	26.146	22.906	21.483	17.616	19.134
HEMBA1003076	111.254	51.085	78.972	37.151	40.422	49.911	47.023	64.737
HEMBA1003077	36.471	15.407	24.522	8.009	8.453	18.861	13.797	5.837
HEMBA1003078	34.143	38.741	77.908	31.907	37.189	17.933	17.439	18.923
HEMBA1003079	28.659	38.563	41.646	26.110	25.889	25.576	18.026	24.526
HEMBA1003083	61.036	48.635	169.439	52.788	60.016	41.611	29.619	87.469
HEMBA1003086	49.032	40.488	154.409	29.869	12.063	16.644	16.039	19.219
HEMBA1003090	34.778	14.860	23.758	12.710	24.132	16.848	25.027	14.265
HEMBA1003094	184.999	43.363	72.116	30.096	53.636	78.251	84.551	34.775
HEMBA1003096	31.440	18.030	25.774	10.290	11.781	14.633	27.791	11.348
HEMBA1003098	36.774	64.970	88.562	34.074	24.271	25.656	18.003	31.059
HEMBA1003101	55.716	24.121	22.316	11.682	13.163	21.315	25.117	15.689
HEMBA1003108	48.411	21.093	39.285	21.315	21.724	27.826	31.034	21.809
HEMBA1003114	41.101	24.786	22.792	14.164	14.657	18.320	15.152	16.038
HEMBA1003117	22.939	13.535	20.191	6.812	10.538	14.917	18.015	12.566
HEMBA1003120	24.531	24.408	55.805	26.674	13.838	15.423	15.080	21.728
HEMBA1003129	40.276	46.792	104.463	37.995	37.989	21.990	26.267	38.207
HEMBA1003133	50.080	22.873	35.022	15.164	20.000	21.592	25.551	27.656
HEMBA1003136	146.630	23.706	65.990	18.301	31.049	69.754	51.669	25.346
HEMBA1003142	69.008	47.867	130.557	32.955	30.384	25.274	27.118	29.493
HEMBA1003148	59.282	20.084	32.740	18.292	18.973	32.206	22.003	24.674
HEMBA1003161	53.856	20.003	51.824	13.233	9.854	27.114	22.251	13.546
HEMBA1003162	20.577	9.803	19.388	10.017	5.761	31.586	23.227	6.853
HEMBA1003167	16.477	9.272	16.246	9.919	17.605	7.547	10.156	10.181
HEMBA1003168	293.814	257.380	671.361	260.521	221.325	137.459	148.208	199.758
HEMBA1003171	17.730	8.702	16.527	6.499	6.963	7.361	5.733	7.164

Table 25

HEMBA1003175	38.620	40.445	100.302	29.594	17.624	21.152	13.386	15.936
HEMBA1003178	63.835	33.869	50.631	27.163	25.502	35.500	39.052	37.713
HEMBA1003186	100.461	75.611	231.787	75.781	58.278	54.222	55.862	61.615
HEMBA1003196	36.422	27.557	45.633	20.623	18.740	21.756	30.501	35.864
HEMBA1003197	8.462	9.564	5.534	5.965	4.051	3.138	7.054	7.066
HEMBA1003199	34.650	18.409	81.183	15.696	16.799	9.492	17.381	15.917
HEMBA1003202	79.337	59.764	236.822	43.286	41.820	31.106	32.936	45.183
HEMBA1003204	66.523	56.272	172.818	48.560	31.451	33.193	27.421	28.849
HEMBA1003210	23.713	52.768	35.498	5.529	38.451	16.353	59.417	17.563
HEMBA1003212	126.394	90.709	372.474	74.164	62.392	59.663	45.714	54.363
HEMBA1003218	19.415	13.105	13.670	6.371	4.792	13.681	10.789	6.536
HEMBA1003220	81.171	86.642	147.453	89.495	42.391	47.586	54.647	123.019
HEMBA1003222	25.803	22.891	28.577	7.894	11.404	10.413	9.856	14.985
HEMBA1003225	105.735	21.238	40.848	11.586	20.280	48.243	44.574	19.547
HEMBA1003229	30.394	26.363	41.333	22.998	17.475	14.707	20.154	19.749
HEMBA1003230	69.643	70.015	42.439	31.176	20.775	56.815	40.191	75.238
HEMBA1003235	44.989	43.337	105.267	33.038	19.405	20.834	22.018	29.856
HEMBA1003236	8.677	17.896	8.735	7.270	7.328	17.286	5.295	18.441
HEMBA1003250	7.260	12.598	12.993	4.750	4.815	7.242	5.982	4.378
HEMBA1003252	56.274	51.495	65.197	28.241	33.512	44.917	62.506	60.076
HEMBA1003257	71.751	16.083	40.414	13.391	19.441	38.988	28.614	19.028
HEMBA1003268	19.492	18.996	46.948	14.167	12.769	11.524	8.622	17.414
HEMBA1003273	48.113	38.933	125.242	29.404	21.135	22.989	17.240	24.704
HEMBA1003276	36.279	34.802	113.584	23.812	17.208	20.437	14.685	26.145
HEMBA1003277	31.363	12.827	21.514	10.462	11.287	13.206	16.182	14.465
HEMBA1003278	36.998	24.906	71.222	17.479	15.791	16.787	10.948	17.841
HEMBA1003280	50.716	16.000	38.057	16.933	20.792	37.901	30.931	31.493
HEMBA1003281	66.732	21.393	32.728	15.032	18.415	26.844	28.577	24.898
HEMBA1003284	9.746	8.482	12.941	5.779	5.747	5.813	3.545	3.499
HEMBA1003286	69.502	35.947	60.729	21.827	29.473	52.233	50.283	47.695
HEMBA1003291	13.248	9.951	10.909	3.504	18.100	6.561	6.341	7.647
HEMBA1003294	69.599	52.239	168.555	39.127	38.460	40.377	24.057	27.486
HEMBA1003296	61.933	31.456	37.947	21.206	23.199	23.249	34.580	37.768
HEMBA1003304	7.117	5.972	8.976	6.154	8.839	4.199	3.461	3.227
HEMBA1003306	17.590	15.590	22.443	8.410	11.282	8.448	6.333	9.387
HEMBA1003309	6.845	10.103	12.198	14.015	7.776	8.709	3.955	18.326
HEMBA1003314	637.052	210.608	238.618	105.098	198.106	299.884	273.738	171.516
HEMBA1003315	83.736	51.612	84.690	32.381	29.482	56.694	53.105	54.024
HEMBA1003322	108.401	88.539	256.570	51.502	51.083	44.130	42.804	45.519
HEMBA1003326	42.723	20.581	14.759	11.799	7.780	18.087	12.420	9.516
HEMBA1003327	61.811	36.702	87.698	28.181	19.784	18.596	17.453	18.377
HEMBA1003328	53.406	51.712	114.941	36.926	25.000	18.669	22.079	32.865
HEMBA1003330	108.955	82.099	207.708	73.413	52.244	50.838	55.920	55.390
HEMBA1003348	121.625	110.275	337.182	94.209	99.717	67.000	43.513	80.023
HEMBA1003368	5.861	23.644	14.930	4.979	1.726	9.064	3.020	5.373
HEMBA1003370	315.016	197.956	369.117	140.044	139.216	140.758	150.458	124.948
HEMBA1003373	50.135	31.291	53.330	17.430	5.513	19.164	8.117	19.638
HEMBA1003376	174.269	170.290	519.668	126.099	89.798	108.226	81.818	107.084
HEMBA1003380	43.015	24.657	74.071	29.281	24.407	19.711	13.485	20.047
HEMBA1003384	25.555	30.071	68.079	15.389	9.455	11.810	8.800	14.281
HEMBA1003387	6.515	2.588	2.697	1.577	1.109	1.803	1.986	3.464
HEMBA1003392	111.457	25.882	42.253	17.323	29.007	50.086	29.337	23.550
HEMBA1003395	16.068	18.666	35.483	15.254	9.873	10.355	6.207	12.514
HEMBA1003399	45.227	21.480	37.035	19.231	15.354	19.471	27.860	34.116
HEMBA1003400	116.210	36.907	58.706	24.811	49.133	53.819	60.041	53.109
HEMBA1003402	32.500	16.239	27.864	8.795	12.867	17.141	11.617	14.596
HEMBA1003403	60.260	43.377	46.720	20.221	26.579	36.738	44.891	45.870
HEMBA1003408	196.676	49.687	70.460	29.354	50.910	84.958	77.062	46.433
HEMBA1003412	104.813	43.934	55.699	47.250	43.763	81.953	59.463	47.139
HEMBA1003417	22.445	13.970	25.036	8.433	7.282	10.593	5.696	11.032
HEMBA1003418	57.411	57.397	76.232	97.795	45.336	43.450	22.206	90.604
HEMBA1003420	29.838	15.856	201.831	11.319	8.067	11.379	12.938	14.721
HEMBA1003425	17.466	15.895	21.662	4.733	6.723	8.483	10.838	9.083
HEMBA1003433	23.931	18.435	24.576	12.136	10.421	10.074	11.092	11.581

Table 26

HEMBA1003440	91.727	41.727	39.257	19.755	26.941	45.998	31.620	35.845
HEMBA1003442	7.090	22.535	10.452	33.897	10.259	15.118	7.093	14.790
HEMBA1003447	82.161	36.670	48.248	26.789	18.587	41.591	42.314	35.065
HEMBA1003453	50.472	26.692	25.954	16.130	11.252	16.584	28.534	21.256
HEMBA1003461	55.687	25.328	42.686	17.261	18.856	27.281	22.795	17.854
HEMBA1003463	40.102	23.311	34.469	13.456	19.704	20.277	16.984	18.124
HEMBA1003465	92.245	40.963	61.816	28.410	36.051	39.389	40.220	36.851
HEMBA1003480	114.075	114.841	266.076	76.366	67.942	56.459	51.589	62.191
HEMBA1003485	44.403	28.836	33.659	14.371	8.636	26.284	16.036	14.582
HEMBA1003487	42.939	15.463	23.730	9.752	15.729	24.902	21.136	16.494
HEMBA1003492	31.026	21.538	56.674	14.934	12.014	12.082	9.567	14.655
HEMBA1003494	97.366	260.496	50.174	48.821	12.504	74.554	20.623	180.841
HEMBA1003497	39.000	17.943	24.659	11.432	13.881	21.376	18.562	6.072
HEMBA1003503	54.774	21.486	28.175	12.948	17.154	30.911	36.463	16.806
HEMBA1003511	18.672	14.740	43.023	11.794	13.330	8.925	16.405	11.615
HEMBA1003528	385.123	191.234	239.319	81.329	123.915	213.945	179.430	98.672
HEMBA1003530	43.820	12.384	23.693	10.695	21.216	20.067	28.030	16.204
HEMBA1003531	111.104	73.542	215.578	67.833	214.022	56.139	50.217	66.992
HEMBA1003532	145.137	62.379	83.827	37.506	53.388	90.314	77.728	60.515
HEMBA1003538	61.123	20.746	32.949	11.160	19.286	34.305	28.231	13.837
HEMBA1003545	21.489	10.501	20.608	5.904	7.197	10.239	6.617	8.168
HEMBA1003546	31.371	32.365	28.613	13.365	226.243	16.427	16.554	24.821
HEMBA1003548	4.466	8.124	9.845	4.563	7.542	6.155	5.647	8.387
HEMBA1003553	79.837	51.515	50.379	23.327	28.564	49.154	63.525	48.955
HEMBA1003555	20.066	8.873	13.692	4.762	3.684	10.112	10.962	6.521
HEMBA1003556	57.280	36.399	128.391	29.283	16.426	19.257	18.121	24.622
HEMBA1003560	9.290	4.426	2.529	2.848	1.767	2.983	6.207	6.539
HEMBA1003565	42.648	29.688	20.996	8.344	13.984	21.927	21.847	22.043
HEMBA1003568	7.244	1.649	7.712	2.430	3.763	3.172	2.836	2.592
HEMBA1003569	25.048	20.536	23.764	33.957	13.740	16.235	19.512	16.518
HEMBA1003571	111.721	94.378	326.335	84.368	71.788	50.029	48.011	69.960
HEMBA1003579	3.335	7.399	15.353	6.553	8.948	2.872	9.198	6.421
HEMBA1003580	274.105	50.292	102.103	26.686	59.875	128.843	110.375	35.695
HEMBA1003581	112.013	31.295	94.083	21.641	36.215	54.336	50.711	21.238
HEMBA1003591	97.076	64.328	77.160	89.876	47.882	53.615	40.656	45.172
HEMBA1003595	32.697	22.842	84.629	19.075	11.339	6.305	5.581	18.085
HEMBA1003597	48.561	25.846	108.491	20.931	15.952	19.375	17.580	20.153
HEMBA1003598	49.728	20.134	22.468	12.142	11.688	18.934	21.743	15.025
HEMBA1003600	32.772	35.099	56.905	26.268	29.290	38.873	53.305	56.783
HEMBA1003602	16.248	10.116	16.162	6.182	10.970	8.064	14.736	17.188
HEMBA1003604	205.949	53.579	69.723	24.549	49.902	105.181	98.166	47.144
HEMBA1003610	140.996	29.255	95.048	15.492	103.150	72.233	54.670	30.688
HEMBA1003615	57.258	20.035	34.102	12.808	16.022	24.378	18.759	20.876
HEMBA1003617	48.414	20.375	29.789	12.148	22.291	18.199	18.770	18.242
HEMBA1003620	52.899	22.318	45.502	19.575	19.962	25.239	39.072	29.451
HEMBA1003621	102.827	102.094	226.373	80.194	64.742	58.874	67.142	60.680
HEMBA1003622	19.815	13.838	25.009	16.055	8.339	12.261	15.369	13.833
HEMBA1003630	20.008	16.381	30.244	13.871	5.573	9.992	10.303	11.422
HEMBA1003637	37.880	29.848	106.379	23.251	18.468	17.181	12.409	18.500
HEMBA1003640	39.068	31.672	100.901	22.572	22.223	21.513	17.417	20.420
HEMBA1003645	25.820	19.380	48.445	13.481	9.247	12.142	54.230	5.711
HEMBA1003646	38.243	16.329	22.003	9.624	13.311	24.606	19.177	19.938
HEMBA1003647	10.261	10.718	12.323	7.860	7.892	7.607	7.882	10.058
HEMBA1003656	40.171	31.269	66.874	28.981	19.429	18.898	23.172	30.178
HEMBA1003662	25.325	17.011	19.352	6.387	10.041	10.909	14.055	18.544
HEMBA1003666	23.086	11.187	17.407	5.803	8.262	9.774	15.332	13.861
HEMBA1003667	304.975	209.929	337.134	96.636	131.792	179.317	140.789	174.256
HEMBA1003670	12.944	8.894	15.235	3.344	2.565	7.057	6.425	7.073
HEMBA1003674	143.262	32.196	61.919	33.863	62.734	66.675	65.424	47.173
HEMBA1003677	80.516	45.946	220.695	45.985	43.474	38.916	30.594	46.808
HEMBA1003679	25.325	7.795	16.167	6.727	5.941	12.433	12.034	11.720
HEMBA1003680	42.317	25.723	33.794	24.664	23.985	25.419	38.990	39.343
HEMBA1003684	18.273	10.175	17.733	13.315	4.937	9.099	10.182	10.574
HEMBA1003680	115.021	65.531	75.876	46.324	43.039	71.797	85.431	56.592

Table 27

HEMBA1003692	83.253	86.347	194.372	63.188	40.872	47.354	39.288	42.644
HEMBA1003702	88.125	35.028	48.251	23.719	29.023	42.879	46.956	36.550
HEMBA1003711	93.732	50.280	140.199	32.886	33.424	47.500	41.959	36.807
HEMBA1003714	75.923	20.696	37.340	14.414	28.237	32.029	29.145	16.214
HEMBA1003715	54.160	54.486	142.871	31.894	31.122	28.832	20.640	26.672
HEMBA1003717	70.553	38.574	120.922	45.101	29.491	29.344	27.200	38.418
HEMBA1003720	83.687	94.829	133.285	55.896	49.519	43.330	22.099	41.137
HEMBA1003726	46.157	55.932	71.704	30.085	21.305	22.378	18.643	31.573
HEMBA1003728	103.795	35.668	58.184	16.485	21.818	42.286	37.790	34.280
HEMBA1003729	49.957	21.508	47.663	20.231	15.376	18.567	21.294	17.427
HEMBA1003732	13.069	1.953	6.558	3.228	2.195	3.652	3.024	4.336
HEMBA1003733	52.409	32.781	76.684	22.919	83.426	18.921	13.867	14.220
HEMBA1003742	40.426	20.265	50.667	26.589	21.518	42.057	44.130	24.802
HEMBA1003743	26.918	22.118	23.392	18.886	18.530	12.506	17.162	18.069
HEMBA1003758	110.630	126.359	315.104	79.435	58.130	58.587	34.868	73.429
HEMBA1003760	78.949	0.000	26.318	15.194	14.440	32.057	34.468	19.471
HEMBA1003764	45.855	30.390	82.720	23.891	19.630	164.051	37.797	57.861
HEMBA1003769	87.589	47.227	62.942	27.144	32.047	46.499	39.296	38.944
HEMBA1003773	63.842	14.722	21.132	12.002	9.850	33.904	29.817	13.165
HEMBA1003783	17.751	16.975	23.942	16.465	13.884	6.842	9.757	20.650
HEMBA1003784	13.500	17.233	21.849	13.856	12.436	17.394	11.099	13.140
HEMBA1003794	386.642	303.008	322.299	109.371	145.316	286.778	287.377	239.938
HEMBA1003799	39.392	23.099	29.603	15.022	13.775	16.550	24.428	19.403
HEMBA1003803	63.548	21.899	44.323	20.132	18.580	28.795	24.744	35.938
HEMBA1003804	80.382	26.816	48.558	16.154	27.867	31.087	37.611	22.634
HEMBA1003805	103.669	42.485	42.930	19.994	36.377	43.797	32.147	28.376
HEMBA1003807	21.717	13.940	25.512	9.492	6.870	9.649	8.812	7.611
HEMBA1003810	20.102	11.572	7.558	20.338	17.855	7.640	4.451	6.585
HEMBA1003827	432.964	219.520	240.291	155.416	219.584	266.037	283.204	241.127
HEMBA1003836	177.311	135.831	482.334	146.466	136.063	83.790	92.728	122.237
HEMBA1003838	223.674	185.295	641.368	134.002	79.993	116.711	87.137	118.957
HEMBA1003843	13.867	10.178	27.409	17.850	21.104	13.382	11.701	13.634
HEMBA1003846	133.994	57.556	58.738	34.962	50.550	56.395	40.861	60.253
HEMBA1003856	27.378	13.868	16.982	14.248	8.662	11.259	9.145	9.934
HEMBA1003867	101.908	95.527	253.525	75.110	52.628	51.958	45.837	48.871
HEMBA1003864	52.130	18.071	24.567	9.568	13.009	16.810	29.271	16.795
HEMBA1003866	27.257	12.805	22.440	12.069	15.414	19.103	9.229	7.524
HEMBA1003868	95.701	54.991	58.923	31.090	41.733	69.461	48.174	43.486
HEMBA1003879	62.950	44.572	159.217	48.098	42.446	37.097	36.010	45.824
HEMBA1003880	134.462	70.074	103.271	30.699	47.956	67.668	44.498	30.581
HEMBA1003884	99.190	48.465	73.499	34.796	54.399	57.269	63.551	68.830
HEMBA1003886	77.676	69.096	172.968	55.129	49.424	41.309	24.247	31.596
HEMBA1003887	60.203	22.185	33.582	16.896	21.181	29.281	31.275	22.835
HEMBA1003890	12.753	8.056	15.506	7.762	16.057	139.271	387.408	5.124
HEMBA1003893	386.525	281.955	515.307	187.300	180.355	212.964	137.297	122.335
HEMBA1003896	411.418	232.899	382.182	144.104	165.806	233.857	186.700	143.577
HEMBA1003902	39.732	39.491	114.984	20.297	23.609	16.793	14.124	20.479
HEMBA1003904	32.775	21.109	45.629	10.006	13.109	14.294	24.342	17.444
HEMBA1003908	8.660	8.873	15.689	7.298	15.429	6.307	2.267	5.699
HEMBA1003926	132.636	253.614	316.882	183.017	124.195	147.955	105.962	360.995
HEMBA1003937	87.005	63.862	200.940	40.687	36.238	35.284	29.695	40.418
HEMBA1003939	28.064	25.844	35.675	20.306	20.378	19.070	16.457	15.626
HEMBA1003940	27.800	13.368	18.045	10.235	10.394	14.633	17.733	9.868
HEMBA1003941	57.997	16.835	24.582	17.381	15.884	23.428	19.757	13.795
HEMBA1003942	38.168	19.747	45.852	32.660	22.333	24.695	10.791	21.900
HEMBA1003945	58.457	32.900	46.079	23.037	21.163	36.632	32.279	26.903
HEMBA1003949	12.870	13.019	20.678	7.159	38.521	442.120	272.494	21.625
HEMBA1003950	8.366	8.726	5.814	3.195	4.756	3.396	8.814	5.401
HEMBA1003953	23.527	10.310	11.872	9.390	8.494	10.637	10.973	5.252
HEMBA1003958	131.082	90.718	253.084	74.499	85.036	62.450	34.852	86.629
HEMBA1003959	12.105	11.228	18.520	6.548	7.960	18.122	12.612	10.591
HEMBA1003960	53.133	29.785	31.879	18.932	16.178	21.708	32.094	35.333
HEMBA1003966	58.245	19.415	68.506	20.791	26.975	28.975	27.825	25.303
HEMBA1003967	1.859	3.908	9.364	6.033	4.054	4.384	4.208	4.986

Table 28

HEMBA1003968	40.219	26.894	55.357	16.296	14.511	28.531	22.648	15.420
HEMBA1003974	147.167	439.547	139.030	117.010	33.973	54.122	29.356	338.820
HEMBA1003976	20.167	17.809	13.159	9.187	5.748	6.820	6.962	10.367
HEMBA1003977	32.761	12.950	24.212	6.558	6.776	12.413	17.016	9.367
HEMBA1003978	40.564	13.858	10.812	11.585	11.203	23.881	20.489	17.488
HEMBA1003981	65.803	34.462	71.399	26.801	31.348	48.051	31.355	42.728
HEMBA1003982	15.104	89.360	20.946	18.086	1.620	3.781	3.102	64.356
HEMBA1003985	15.199	10.866	21.715	9.199	1.517	8.041	5.977	7.569
HEMBA1003987	48.695	30.080	108.473	25.632	23.222	28.008	21.302	24.940
HEMBA1003989	47.841	51.466	128.889	32.288	24.298	24.627	15.392	23.174
HEMBA1004000	36.424	35.098	34.843	16.292	19.541	20.804	16.803	21.872
HEMBA1004006	8.411	42.393	12.931	2.863	3.395	0.000	4.943	9.742
HEMBA1004007	135.300	114.014	286.000	90.971	64.473	74.153	71.985	79.319
HEMBA1004010	58.331	152.845	38.786	18.676	18.819	35.229	31.514	80.599
HEMBA1004011	62.306	16.294	38.336	12.356	13.756	29.683	26.091	7.986
HEMBA1004012	47.010	38.053	139.110	42.415	22.159	34.340	27.215	32.550
HEMBA1004015	24.416	26.249	27.372	12.243	13.962	25.082	25.133	12.269
HEMBA1004024	149.457	114.788	479.037	80.679	77.896	75.066	57.366	93.859
HEMBA1004029	81.485	31.944	43.520	19.897	20.191	38.768	36.482	19.376
HEMBA1004038	26.629	15.823	19.708	12.109	7.832	14.400	12.855	17.771
HEMBA1004042	8.177	10.678	12.830	6.612	11.484	7.963	11.320	10.405
HEMBA1004045	24.675	30.855	37.128	20.069	23.538	15.509	17.299	17.447
HEMBA1004048	95.795	48.977	78.760	36.608	40.779	45.132	47.334	63.844
HEMBA1004049	55.947	543.954	47.428	49.034	19.297	56.209	23.320	68.865
HEMBA1004051	69.778	31.608	51.948	13.046	25.684	38.632	30.423	32.553
HEMBA1004053	29.222	70.670	84.481	24.394	15.007	23.414	13.218	23.973
HEMBA1004055	39.564	23.202	34.928	8.151	5.353	28.619	15.237	14.807
HEMBA1004056	136.121	122.072	413.353	75.363	81.883	66.439	41.004	85.794
HEMBA1004060	17.642	11.826	29.995	9.507	4.910	13.895	8.679	8.388
HEMBA1004061	17.144	13.460	20.009	16.913	8.228	14.145	12.424	5.810
HEMBA1004067	165.029	79.589	104.390	62.419	50.783	89.115	94.004	91.850
HEMBA1004071	28.405	34.722	37.707	19.775	14.692	17.342	23.864	27.554
HEMBA1004074	128.445	51.388	148.050	35.606	37.851	50.216	53.461	46.373
HEMBA1004078	26.126	14.774	20.940	9.721	16.211	17.398	17.388	14.057
HEMBA1004085	42.006	24.067	36.862	15.417	17.609	19.555	28.362	21.993
HEMBA1004088	27.330	49.843	21.238	43.213	24.232	16.260	12.409	22.262
HEMBA1004097	45.296	15.292	27.795	13.971	26.928	26.002	33.192	19.361
HEMBA1004100	40.930	37.210	48.942	23.245	10.184	25.744	21.452	28.594
HEMBA1004103	101.036	101.281	184.668	64.176	44.322	55.385	41.050	40.000
HEMBA1004110	89.903	65.107	57.751	43.841	27.836	21.315	27.631	34.280
HEMBA1004111	171.907	134.108	296.310	95.474	115.874	78.450	80.011	98.760
HEMBA1004124	177.408	71.838	103.065	37.665	46.198	68.531	109.364	77.083
HEMBA1004130	64.543	54.797	171.602	50.628	35.382	25.801	19.599	23.097
HEMBA1004131	41.654	24.184	33.975	26.913	23.365	28.790	20.022	24.999
HEMBA1004132	55.906	42.840	162.243	42.708	30.251	28.863	19.780	22.237
HEMBA1004133	64.624	30.838	38.522	29.390	20.897	28.027	28.747	33.333
HEMBA1004138	61.197	21.853	23.858	17.376	9.337	30.080	17.345	22.082
HEMBA1004143	15.715	9.656	21.209	10.565	10.539	14.067	11.441	9.994
HEMBA1004146	40.893	21.789	90.537	30.833	32.670	23.542	14.368	20.982
HEMBA1004148	59.990	18.796	22.167	11.049	17.531	18.309	29.374	22.628
HEMBA1004149	16.284	11.131	18.385	7.758	7.634	7.677	5.890	13.683
HEMBA1004150	5.223	4.403	4.468	3.044	2.553	2.158	2.062	2.260
HEMBA1004154	111.110	40.836	69.965	31.437	46.253	58.472	62.983	47.888
HEMBA1004184	139.670	107.565	315.189	77.326	47.327	57.372	46.726	67.257
HEMBA1004188	24.042	16.530	18.698	9.347	9.400	13.838	3.054	13.060
HEMBA1004199	22.894	9.047	10.461	8.631	7.704	7.849	6.889	7.253
HEMBA1004200	33.301	51.362	63.462	26.185	27.548	17.580	17.235	32.109
HEMBA1004201	54.766	23.783	32.370	17.449	21.835	22.123	25.993	20.006
HEMBA1004202	14.526	10.484	12.784	8.804	5.704	9.594	8.672	11.673
HEMBA1004203	47.655	20.140	34.882	13.604	14.171	19.946	18.079	18.151
HEMBA1004207	6.344	3.206	11.421	3.936	6.145	5.704	21.692	7.780
HEMBA1004210	33.071	43.543	33.120	16.340	41.396	21.814	19.639	15.015
HEMBA1004225	73.182	63.749	226.133	59.565	43.156	32.703	25.781	40.078
HEMBA1004227	83.820	31.222	42.541	16.931	17.786	28.177	25.468	30.978

Table 29

	HEMBA1004235	99.954	57.144	62.536	27.672	34.345	69.613	47.182	38.807
	HEMBA1004237	27.504	21.542	17.029	18.289	11.697	19.212	12.031	16.922
5	HEMBA1004238	79.210	38.454	102.493	34.130	27.841	36.089	27.438	34.578
	HEMBA1004241	5.663	2.654	7.035	2.556	1.072	2.912	4.422	1.294
	HEMBA1004242	256.662	65.757	191.327	80.010	76.455	85.478	89.242	62.567
	HEMBA1004243	72.699	55.276	60.764	28.287	47.148	36.800	28.491	47.743
	HEMBA1004246	44.815	30.967	100.300	22.414	17.109	15.470	12.686	18.700
	HEMBA1004247	66.750	16.238	24.674	18.889	22.763	31.897	38.415	17.377
10	HEMBA1004248	13.953	18.412	17.581	11.953	11.378	14.538	12.794	9.562
	HEMBA1004250	24.439	10.494	10.631	6.401	5.142	14.218	12.652	11.966
	HEMBA1004252	37.349	20.650	22.246	9.949	9.550	14.570	21.841	18.200
	HEMBA1004260	10.994	19.320	16.415	15.707	20.374	13.845	11.265	19.838
	HEMBA1004264	22.716	14.715	13.358	7.615	5.234	12.282	15.089	11.397
	HEMBA1004267	235.310	195.750	654.331	171.071	174.292	115.073	102.973	144.125
15	HEMBA1004272	28.776	19.025	23.678	13.063	12.012	15.529	14.123	14.593
	HEMBA1004274	62.157	50.491	53.598	30.356	36.472	42.005	58.020	51.617
	HEMBA1004275	70.423	38.514	45.176	17.443	18.132	34.031	36.295	22.171
	HEMBA1004278	33.630	4.481	14.011	9.548	9.099	14.035	10.406	8.615
	HEMBA1004279	16.536	11.082	13.356	14.834	7.333	10.255	8.919	12.068
	HEMBA1004284	29.688	30.297	64.483	13.658	17.646	17.327	17.630	13.770
20	HEMBA1004286	32.471	16.566	18.048	12.391	6.773	17.625	23.811	13.547
	HEMBA1004289	81.573	62.930	165.571	49.704	34.785	37.379	28.939	41.740
	HEMBA1004293	72.466	34.902	48.669	32.705	17.408	57.764	53.695	45.065
	HEMBA1004295	37.595	12.116	29.975	11.634	5.514	25.018	23.797	20.926
	HEMBA1004302	10.880	5.912	7.885	10.025	5.190	6.060	5.264	9.355
	HEMBA1004306	426.811	177.321	335.168	107.648	123.947	256.397	251.772	134.005
25	HEMBA1004312	37.953	30.864	105.533	30.747	25.847	16.140	16.283	24.272
	HEMBA1004314	29.396	23.332	95.584	22.179	18.544	11.015	8.804	20.974
	HEMBA1004321	47.670	29.150	105.316	35.655	23.139	31.309	29.736	47.858
	HEMBA1004323	87.295	65.931	221.440	44.690	41.425	35.609	34.117	39.135
	HEMBA1004327	65.869	21.284	21.540	11.985	14.419	27.213	27.030	20.118
	HEMBA1004329	67.920	44.687	132.755	32.977	21.556	32.356	17.478	26.773
30	HEMBA1004330	8.765	7.655	16.827	7.164	3.843	9.511	7.660	4.615
	HEMBA1004334	16.438	21.355	31.680	15.109	26.670	13.368	10.581	13.668
	HEMBA1004335	204.961	102.859	325.226	69.979	64.392	78.772	71.641	83.525
	HEMBA1004341	186.677	30.208	61.439	15.995	41.404	87.221	89.558	40.224
	HEMBA1004344	261.676	76.316	123.332	42.705	51.432	26.797	42.054	59.071
	HEMBA1004347	65.249	32.610	97.858	37.038	21.953	33.115	33.526	36.846
	HEMBA1004349	22.353	35.727	29.441	19.803	18.786	23.126	19.103	18.719
35	HEMBA1004352	75.508	65.644	237.050	49.039	34.141	32.597	28.166	46.343
	HEMBA1004353	54.322	66.042	132.169	40.583	27.380	39.551	30.556	56.886
	HEMBA1004354	43.687	29.352	79.284	22.784	20.533	21.755	16.860	22.429
	HEMBA1004356	44.730	22.201	27.487	10.404	8.280	22.159	16.039	15.038
	HEMBA1004360	91.412	28.429	71.634	26.232	36.259	59.602	38.361	50.410
	HEMBA1004366	9.956	10.099	14.263	5.481	5.631	6.802	6.791	6.167
40	HEMBA1004372	3.613	4.593	5.338	0.000	1.638	1.507	3.555	1.568
	HEMBA1004377	53.834	41.410	47.048	29.140	26.163	34.545	30.827	33.572
	HEMBA1004389	20.540	22.800	24.474	14.497	13.968	16.620	14.951	17.114
	HEMBA1004391	60.284	22.653	44.013	14.283	19.018	31.716	23.931	23.617
	HEMBA1004393	177.786	197.548	108.554	32.455	75.399	76.587	39.777	44.665
	HEMBA1004394	28.949	11.849	12.442	5.544	10.440	17.625	10.981	8.836
45	HEMBA1004396	37.907	26.956	102.760	18.571	16.519	15.025	13.681	21.980
	HEMBA1004401	22.519	21.858	30.601	14.945	13.592	15.418	20.530	20.774
	HEMBA1004406	42.933	38.835	117.844	34.528	23.557	19.155	18.506	29.842
	HEMBA1004408	50.497	27.151	55.000	25.559	15.351	19.522	15.546	20.863
	HEMBA1004414	45.769	51.722	64.316	19.655	19.324	39.735	26.527	36.385
	HEMBA1004429	61.867	59.067	190.058	39.014	50.304	38.462	27.517	46.317
50	HEMBA1004433	49.568	39.828	146.938	37.521	28.383	24.241	24.651	42.005
	HEMBA1004440	31.849	22.499	37.132	18.742	22.366	23.183	21.969	35.073
	HEMBA1004444	59.488	46.586	163.783	30.695	29.990	24.833	22.908	37.635
	HEMBA1004448	22.134	12.309	29.426	11.920	3.385	14.862	10.855	16.078
	HEMBA1004451	31.688	21.261	28.136	18.194	15.878	19.695	21.159	27.156
	HEMBA1004452	36.593	5.268	18.479	3.443	5.737	17.680	14.173	7.972
55	HEMBA1004454	50.056	27.897	32.786	24.382	20.631	24.494	22.897	29.042

Table 30

	HEMBA1004460	138.550	96.143	356.058	74.883	54.735	70.698	38.344	55.945
	HEMBA1004461	64.074	19.163	24.808	12.846	16.373	23.508	22.827	10.137
5	HEMBA1004468	134.439	72.774	210.409	77.409	60.142	56.229	42.361	49.457
	HEMBA1004479	82.994	32.899	92.282	35.519	44.435	43.183	31.836	37.116
	HEMBA1004482	5.602	7.682	11.248	36.034	2.926	5.535	5.593	5.972
	HEMBA1004491	16.736	6.285	17.615	14.018	11.729	19.804	10.683	11.280
	HEMBA1004499	94.095	71.456	148.355	58.479	48.596	46.968	46.648	57.279
	HEMBA1004502	21.523	9.344	18.265	7.282	9.979	2.762	3.174	13.389
10	HEMBA1004505	26.042	15.980	43.855	17.516	15.469	22.190	22.873	15.812
	HEMBA1004508	12.004	29.395	42.664	21.849	21.426	14.469	9.224	9.845
	HEMBA1004507	96.377	87.688	99.177	103.472	34.160	81.068	54.939	151.142
	HEMBA1004509	52.657	14.880	19.120	16.228	17.009	24.783	24.565	13.476
	HEMBA1004523	20.156	18.209	11.197	16.529	14.651	13.004	20.267	19.467
	HEMBA1004528	42.620	27.819	48.069	14.426	25.267	43.038	40.239	37.718
15	HEMBA1004534	75.090	41.159	44.399	31.300	16.686	31.317	21.009	18.589
	HEMBA1004536	31.531	13.343	23.664	14.085	4.408	13.133	12.981	15.201
	HEMBA1004538	352.363	181.508	233.819	97.018	122.402	183.507	100.197	150.062
	HEMBA1004542	47.360	17.733	29.238	17.280	12.324	17.317	22.764	15.212
	HEMBA1004552	63.401	29.585	26.857	43.567	39.674	38.686	23.830	33.542
	HEMBA1004554	62.231	11.953	25.084	16.273	32.820	33.809	20.812	5.536
20	HEMBA1004558	30.217	12.133	31.036	15.840	30.638	65.183	19.155	30.921
	HEMBA1004560	68.901	16.566	17.908	16.431	10.034	30.093	22.379	22.683
	HEMBA1004564	48.119	14.911	35.565	31.983	32.464	30.028	20.965	32.479
	HEMBA1004566	32.479	29.553	20.970	32.788	42.949	40.715	23.273	32.960
	HEMBA1004573	17.728	13.843	7.118	9.972	19.952	9.755	9.278	8.100
	HEMBA1004576	39.572	26.733	42.044	10.704	37.505	32.441	17.232	25.361
	HEMBA1004577	46.233	11.570	97.881	39.434	13.437	41.089	34.426	35.314
25	HEMBA1004586	82.532	71.398	213.814	70.289	52.589	45.729	23.395	38.312
	HEMBA1004596	72.534	32.493	45.820	27.585	27.854	34.997	33.847	38.473
	HEMBA1004604	99.019	48.582	103.587	36.723	49.392	48.377	56.558	69.256
	HEMBA1004607	53.557	37.013	100.999	27.559	26.143	28.796	21.692	42.044
	HEMBA1004610	20.690	14.854	69.908	15.349	12.120	9.108	8.858	15.087
	HEMBA1004617	22.592	20.386	42.426	22.819	15.568	10.691	6.697	10.317
30	HEMBA1004622	78.025	46.803	209.059	49.931	29.836	29.902	12.194	27.438
	HEMBA1004626	38.170	36.312	110.684	22.791	14.118	17.193	15.579	20.821
	HEMBA1004629	33.858	37.886	87.440	53.228	47.341	28.160	12.170	28.096
	HEMBA1004631	35.946	10.475	4.434	7.390	17.128	22.775	9.569	32.852
	HEMBA1004632	27.084	13.891	23.598	10.209	7.802	11.754	22.566	6.362
	HEMBA1004633	78.391	33.135	114.054	17.197	49.008	60.659	48.857	40.810
35	HEMBA1004636	52.397	20.706	34.962	10.085	22.609	21.255	13.502	25.039
	HEMBA1004637	4.228	4.304	6.747	5.278	9.756	4.086	2.597	5.024
	HEMBA1004638	0.241	0.000	0.000	1.008	0.000	0.000	0.113	0.000
	HEMBA1004645	57.971	29.263	111.067	32.845	17.998	27.214	20.560	24.845
	HEMBA1004656	16.139	9.194	21.399	12.768	18.216	14.099	17.122	12.004
	HEMBA1004657	20.820	23.742	69.842	9.422	138.932	42.697	9.048	13.383
40	HEMBA1004666	7.321	3.174	18.097	5.962	9.830	5.098	2.525	7.512
	HEMBA1004669	94.910	36.291	111.210	30.591	20.021	28.018	26.500	25.624
	HEMBA1004670	57.231	17.070	60.538	23.280	13.173	24.312	23.413	14.342
	HEMBA1004672	63.471	50.154	146.619	39.883	31.559	25.617	20.328	28.099
	HEMBA1004688	152.993	93.435	103.311	81.212	50.901	83.988	57.329	84.276
	HEMBA1004680	28.240	10.247	13.401	8.159	4.952	13.963	13.981	11.785
	HEMBA1004693	18.359	15.228	20.803	14.290	13.070	16.726	9.014	13.531
45	HEMBA1004697	81.532	48.847	148.587	58.849	34.416	51.983	42.641	50.271
	HEMBA1004702	97.518	62.966	49.904	20.714	42.224	58.936	64.906	37.506
	HEMBA1004704	99.561	48.717	236.687	38.666	33.457	38.377	24.626	31.783
	HEMBA1004705	12.717	12.313	40.950	9.649	17.803	10.638	5.969	4.810
	HEMBA1004706	33.616	9.825	16.175	10.779	10.830	17.906	13.036	12.703
50	HEMBA1004709	51.126	39.934	136.723	32.286	25.072	21.674	15.230	23.755
	HEMBA1004711	46.766	9.203	57.020	12.805	14.304	16.154	12.982	9.790
	HEMBA1004723	121.283	47.643	73.497	30.238	58.917	65.719	56.298	52.009
	HEMBA1004725	56.905	32.051	70.171	12.221	48.208	34.021	35.739	12.501
	HEMBA1004730	36.072	10.037	30.016	7.633	13.361	7.545	8.989	34.632
	HEMBA1004733	30.769	29.884	23.348	6.988	2.998	8.055	8.031	2.822
55	HEMBA1004734	11.912	11.974	36.595	3.988	12.556	7.653	4.303	15.670

Table 31

HEMBA1004736	55.309	25.331	132.333	45.653	38.696	23.516	19.970	34.509
HEMBA1004748	53.832	20.004	172.069	29.562	22.161	14.904	12.665	18.349
HEMBA1004749	127.285	45.137	73.698	27.788	33.184	60.214	44.636	42.250
HEMBA1004751	81.283	64.830	173.888	54.165	36.368	41.802	31.283	43.505
HEMBA1004752	59.058	32.785	109.428	32.254	29.090	34.259	30.970	33.029
HEMBA1004753	204.044	247.466	406.165	156.689	102.755	131.323	83.515	263.882
HEMBA1004755	57.638	59.677	83.850	22.148	29.800	30.642	13.064	23.261
HEMBA1004758	9.965	16.228	11.023	8.349	6.780	9.109	111.628	14.885
HEMBA1004758	36.487	26.558	116.970	22.341	14.553	14.773	11.840	14.406
HEMBA1004763	67.343	19.641	33.742	13.841	16.720	25.489	23.061	18.650
HEMBA1004768	29.177	24.043	38.303	6.673	10.298	3.197	10.352	13.391
HEMBA1004770	10.327	14.492	10.901	6.416	6.310	7.963	10.868	7.955
HEMBA1004771	46.910	34.314	76.491	31.609	22.830	23.102	30.433	32.358
HEMBA1004775	39.253	28.706	63.968	24.931	18.754	43.049	32.720	26.795
HEMBA1004778	22.604	11.017	10.103	5.468	9.000	16.400	10.105	8.046
HEMBA1004778	78.144	77.681	223.475	37.540	33.791	32.337	24.067	43.529
HEMBA1004784	9.826	18.370	102.812	8.313	15.151	11.373	9.479	6.329
HEMBA1004785	25.723	16.345	26.216	6.651	10.649	10.674	13.732	11.615
HEMBA1004789	18.173	14.508	16.096	7.804	8.691	10.011	7.713	11.389
HEMBA1004795	14.283	12.973	25.122	11.028	9.351	9.757	9.905	12.028
HEMBA1004797	65.927	33.745	73.888	34.142	28.246	40.067	32.715	25.583
HEMBA1004803	36.634	41.124	65.880	27.072	30.957	22.607	22.520	26.554
HEMBA1004806	11.997	8.183	21.467	8.868	9.653	9.000	7.894	8.399
HEMBA1004807	16.352	14.481	22.459	11.249	12.009	13.340	7.935	9.118
HEMBA1004816	29.782	24.075	95.884	18.110	29.259	8.180	12.578	10.934
HEMBA1004820	8.636	7.466	8.862	4.249	4.018	4.269	6.876	3.493
HEMBA1004833	159.947	50.729	81.248	38.650	64.754	83.165	56.657	65.121
HEMBA1004847	51.456	25.570	40.694	21.115	36.572	35.053	31.537	40.529
HEMBA1004850	77.254	24.014	38.620	21.854	26.080	54.413	50.197	24.185
HEMBA1004863	57.117	32.704	72.480	23.951	31.887	25.058	20.050	20.982
HEMBA1004864	46.043	27.344	59.824	26.750	13.898	16.719	20.308	17.843
HEMBA1004865	12.257	14.642	31.748	44.090	14.331	13.454	13.835	15.797
HEMBA1004880	56.788	50.021	126.837	35.420	26.589	24.064	20.647	23.264
HEMBA1004882	42.450	18.453	29.340	16.782	13.013	13.652	10.676	19.977
HEMBA1004885	8.545	4.947	5.350	4.891	2.933	3.711	3.652	6.615
HEMBA1004889	28.103	22.485	32.049	17.078	14.363	23.391	15.605	16.916
HEMBA1004900	19.922	15.709	33.254	10.423	9.045	6.539	5.245	9.440
HEMBA1004909	88.522	49.269	163.284	48.147	35.537	36.045	18.881	27.933
HEMBA1004918	64.384	43.134	105.868	34.899	22.323	24.073	15.857	25.370
HEMBA1004923	47.731	37.996	69.168	19.659	26.441	18.192	10.213	20.111
HEMBA1004929	11.048	14.003	10.808	12.050	7.539	9.882	8.967	11.809
HEMBA1004930	101.277	92.425	279.652	80.664	66.618	34.331	31.091	41.874
HEMBA1004933	9.145	5.566	12.895	7.786	12.256	10.327	96.467	5.417
HEMBA1004934	7.311	7.106	43.966	10.208	4.750	5.866	9.143	12.805
HEMBA1004937	43.331	27.219	38.802	15.368	17.734	15.280	15.784	46.365
HEMBA1004943	51.072	26.833	32.001	21.614	16.458	27.585	29.628	38.533
HEMBA1004944	84.363	46.788	126.294	43.803	28.989	38.514	31.589	23.074
HEMBA1004946	64.638	28.144	37.908	17.163	24.332	27.854	34.636	31.712
HEMBA1004952	90.835	18.893	40.862	12.824	20.090	33.568	20.062	19.020
HEMBA1004954	14.656	36.003	41.485	27.126	23.696	20.777	6.946	29.261
HEMBA1004956	5.975	9.923	6.635	7.743	0.953	4.578	1.565	5.188
HEMBA1004960	86.030	77.420	136.061	60.735	49.221	47.560	29.646	45.929
HEMBA1004971	31.046	5.439	7.559	12.468	17.946	16.068	19.705	18.480
HEMBA1004972	77.318	38.259	56.654	35.819	27.296	40.233	30.004	50.710
HEMBA1004973	35.524	13.502	16.731	8.641	11.726	14.716	19.197	22.580
HEMBA1004977	6.756	9.870	11.419	9.684	29.373	8.701	2.217	10.523
HEMBA1004978	8.689	11.088	13.909	9.999	5.158	5.699	2.642	10.106
HEMBA1004980	34.093	33.440	87.268	25.974	18.071	16.453	11.605	22.124
HEMBA1004982	14.750	8.271	17.944	9.205	8.250	11.553	6.083	5.456
HEMBA1004983	38.285	13.488	20.831	11.831	3.348	10.309	11.455	8.305
HEMBA1004995	27.256	28.615	26.297	18.434	25.474	22.491	24.452	33.683
HEMBA1005004	13.855	10.490	33.238	10.381	7.816	13.134	7.576	14.698
HEMBA1005008	64.714	26.833	22.502	18.478	23.532	28.817	18.581	16.940
HEMBA1005009	34.543	15.673	19.462	18.045	14.122	26.432	12.593	23.116

Table 32

	HEMBA1005019	49.260	24.872	25.349	20.834	30.144	32.629	20.777	27.016
	HEMBA1005021	37.224	63.713	38.065	17.061	15.647	20.369	25.859	32.656
5	HEMBA1005029	30.265	17.783	35.352	16.531	19.588	26.517	15.798	16.804
	HEMBA1005035	393.404	200.167	574.746	133.872	210.689	177.872	156.563	170.510
	HEMBA1005036	115.345	41.961	73.015	39.541	44.451	66.623	55.833	51.349
	HEMBA1005039	28.850	19.922	67.018	13.971	11.999	26.427	15.206	7.350
	HEMBA1005047	93.995	31.868	54.335	18.576	28.338	31.562	31.930	23.751
	HEMBA1005050	78.015	41.690	73.330	29.830	26.504	35.887	21.640	35.653
10	HEMBA1005062	23.050	15.803	29.553	15.707	7.836	15.618	19.435	13.336
	HEMBA1005066	10.980	11.364	31.553	13.509	5.668	10.541	5.005	10.849
	HEMBA1005067	39.308	34.578	39.795	44.519	24.643	21.272	19.379	20.121
	HEMBA1005070	73.155	34.949	68.556	29.956	38.004	38.211	48.007	31.733
	HEMBA1005075	88.089	37.798	148.675	40.537	33.271	33.074	28.661	30.201
	HEMBA1005078	100.064	37.746	66.827	33.115	41.170	55.560	51.231	17.112
15	HEMBA1005079	137.757	86.238	294.118	73.304	76.035	75.084	47.255	76.170
	HEMBA1005083	18.102	7.642	17.087	6.711	6.184	8.675	9.287	9.609
	HEMBA1005084	82.712	38.248	47.063	26.664	27.435	37.552	38.419	28.349
	HEMBA1005088	31.610	22.435	76.774	22.700	18.926	23.875	8.895	12.447
	HEMBA1005089	68.844	55.156	178.226	34.742	32.350	38.645	22.869	28.148
	HEMBA1005090	148.861	86.156	117.997	94.811	57.034	81.098	54.187	116.066
20	HEMBA1005096	83.125	30.911	63.940	33.378	33.962	48.589	35.467	36.021
	HEMBA1005101	69.080	14.020	34.136	10.197	13.998	34.420	22.696	15.975
	HEMBA1005107	82.659	25.203	36.223	11.215	21.514	32.720	25.972	21.337
	HEMBA1005113	7.977	17.225	31.501	7.563	44.493	5.157	6.957	9.761
	HEMBA1005123	173.637	77.260	555.672	126.908	94.628	90.446	70.735	90.016
	HEMBA1005133	58.192	40.749	122.920	29.864	16.700	17.652	8.802	18.988
	HEMBA1005135	8.259	9.125	14.962	2.213	16.732	6.892	3.383	6.189
25	HEMBA1005145	185.299	101.220	352.159	92.082	88.750	122.118	76.475	90.044
	HEMBA1005149	220.122	109.352	274.492	120.663	125.192	96.704	92.083	128.030
	HEMBA1005152	125.948	96.291	226.882	58.505	33.738	46.323	27.534	34.457
	HEMBA1005159	15.760	11.274	9.399	6.198	6.191	6.861	12.001	4.556
	HEMBA1005172	1653.208	89.658	73.666	54.667	33.118	55.680	32.520	70.907
	HEMBA1005185	9.954	17.248	10.492	34.452	3.558	3.117	6.026	3.1173
30	HEMBA1005186	23.745	10.048	27.091	13.087	7.719	15.412	15.086	15.591
	HEMBA1005195	14.573	8.648	11.038	19.306	6.313	25.313	13.510	9.133
	HEMBA1005201	52.322	13.187	47.505	13.091	12.078	8.531	23.532	9.848
	HEMBA1005202	98.566	30.141	71.588	27.954	44.381	66.294	42.390	39.695
	HEMBA1005204	184.429	287.156	382.039	168.753	203.458	222.970	143.609	358.646
	HEMBA1005206	148.946	61.309	84.791	34.139	49.115	66.295	83.608	76.159
35	HEMBA1005219	21.685	17.755	9.606	8.236	8.038	13.031	7.751	11.441
	HEMBA1005223	79.969	42.665	113.460	40.547	32.099	53.017	26.025	32.004
	HEMBA1005229	26.819	9.826	21.841	3.135	5.090	6.656	4.681	7.079
	HEMBA1005230	71.184	67.313	201.065	79.278	59.679	77.484	47.808	66.511
	HEMBA1005232	7.374	6.386	17.522	8.552	3.285	12.098	4.975	3.965
	HEMBA1005238	96.780	44.134	51.932	8.128	20.776	69.291	49.474	35.019
40	HEMBA1005241	142.598	104.185	428.635	78.773	78.033	74.434	42.333	63.097
	HEMBA1005244	76.771	32.597	37.797	16.459	12.489	35.934	31.814	35.602
	HEMBA1005246	241.316	60.348	73.077	25.067	41.351	117.666	88.193	54.014
	HEMBA1005251	37.505	33.247	108.631	23.585	14.915	23.393	14.302	16.409
	HEMBA1005252	53.401	25.532	37.199	15.002	20.744	31.279	24.207	27.562
	HEMBA1005267	17.238	39.564	20.097	27.506	31.874	11.013	14.526	14.024
	HEMBA1005274	16.538	8.744	18.308	9.021	10.103	11.943	8.914	11.978
45	HEMBA1005275	69.133	43.329	216.468	46.290	57.647	37.411	25.040	41.913
	HEMBA1005288	65.401	50.495	150.714	33.833	34.633	28.241	24.910	40.164
	HEMBA1005293	17.403	9.430	23.201	4.467	3.192	25.620	6.775	8.771
	HEMBA1005296	223.087	811.623	894.835	738.361	220.523	698.319	418.435	1376.785
	HEMBA1005301	36.708	16.970	29.798	11.929	12.544	22.221	35.726	32.270
	HEMBA1005304	83.978	71.914	260.016	50.688	36.101	36.160	24.896	47.838
50	HEMBA1005305	44.218	33.773	74.215	27.494	27.352	34.920	21.424	38.882
	HEMBA1005311	33.034	20.140	48.283	13.836	7.908	8.958	9.090	10.440
	HEMBA1005313	11.165	36.175	17.550	7.047	11.502	14.209	63.072	9.124
	HEMBA1005314	6.948	2.955	22.604	6.338	3.812	5.787	4.069	4.891
	HEMBA1005315	72.349	54.139	156.842	34.545	43.132	26.415	28.942	28.442
55	HEMBA1005317	20.230	8.451	17.258	9.796	11.664	9.976	9.263	8.017

Table 33

	HEMBA1005318	14.755	5.931	13.883	5.228	5.376	9.013	5.511	4.848
	HEMBA1005324	98.070	33.348	44.270	26.052	35.446	48.523	30.889	17.915
5	HEMBA1005331	24.826	335.211	15.947	26.496	14.744	21.427	16.942	29.580
	HEMBA1005337	19.080	18.022	19.429	5.217	20.830	29.867	32.481	44.585
	HEMBA1005338	61.533	38.788	63.113	23.657	30.437	48.455	40.921	36.285
	HEMBA1005344	384.481	88.937	143.574	53.983	72.524	167.620	135.992	68.042
	HEMBA1005353	111.629	68.949	220.401	62.090	53.484	67.048	30.456	42.612
	HEMBA1005358	87.635	64.332	175.543	59.707	36.743	34.233	21.666	47.596
10	HEMBA1005362	25.674	25.093	18.642	30.797	21.917	19.092	20.883	12.720
	HEMBA1005384	6.677	2.817	5.168	13.116	19.753	5.180	2.877	7.198
	HEMBA1005367	51.911	28.536	74.559	28.446	30.138	27.987	16.766	22.415
	HEMBA1005372	11.289	6.819	11.700	5.659	9.177	6.402	9.312	4.913
	HEMBA1005374	64.639	57.505	120.218	32.738	30.987	24.792	23.695	30.728
	HEMBA1005379	29.549	13.813	12.040	8.862	7.648	11.978	9.051	4.019
15	HEMBA1005382	140.116	94.743	104.609	70.213	26.226	53.452	88.235	85.480
	HEMBA1005384	33.109	15.221	21.713	10.250	8.543	11.030	7.498	9.010
	HEMBA1005386	111.062	30.547	52.790	29.541	31.691	44.619	35.179	29.136
	HEMBA1005389	66.821	32.429	129.272	42.528	35.894	16.765	11.513	24.601
	HEMBA1005394	35.794	18.327	22.715	26.833	26.639	30.857	16.944	24.443
	HEMBA1005403	40.404	14.030	54.041	14.621	15.504	27.461	15.586	32.390
20	HEMBA1005406	51.701	45.069	71.813	44.257	67.383	35.010	23.690	44.612
	HEMBA1005410	4.534	4.269	11.774	12.035	10.197	6.188	3.955	8.910
	HEMBA1005411	75.220	94.039	163.001	67.133	50.499	41.243	22.652	35.008
	HEMBA1005423	35.745	26.430	69.138	35.773	15.442	19.286	14.057	23.010
	HEMBA1005428	14.366	12.073	14.418	5.345	11.591	8.954	3.082	7.203
	HEMBA1005427	66.444	99.596	61.088	47.855	59.821	53.861	25.223	46.397
	HEMBA1005430	52.945	15.385	36.316	19.210	23.854	37.895	19.556	18.127
25	HEMBA1005438	51.806	28.359	33.314	17.787	19.295	21.754	13.422	29.941
	HEMBA1005443	108.954	165.667	426.408	91.550	77.559	76.024	105.042	108.232
	HEMBA1005447	51.383	39.578	65.244	29.171	28.000	21.457	18.763	23.755
	HEMBA1005449	86.452	20.253	41.861	15.939	27.647	39.311	28.567	27.508
	HEMBA1005452	110.567	52.128	74.119	42.532	39.847	53.326	67.529	72.233
	HEMBA1005454	7.997	16.821	17.998	14.293	14.436	8.454	6.498	11.445
30	HEMBA1005468	185.066	78.008	126.372	56.026	56.490	78.922	61.083	57.511
	HEMBA1005469	88.419	54.761	196.280	63.682	53.661	42.639	23.441	30.144
	HEMBA1005472	37.878	41.710	88.807	34.196	28.126	21.983	24.350	30.575
	HEMBA1005474	89.169	55.263	212.086	51.664	50.480	66.808	39.590	30.322
	HEMBA1005475	212.273	98.359	182.707	110.945	105.968	98.316	56.095	68.647
	HEMBA1005489	61.603	40.439	42.459	21.361	21.335	31.130	11.578	25.898
	HEMBA1005497	10.325	12.396	5.705	8.252	5.611	9.949	2.213	16.039
35	HEMBA1005500	86.636	39.755	180.843	46.031	28.664	31.809	14.951	31.189
	HEMBA1005506	24.029	3.468	17.794	7.400	5.464	9.419	6.593	3.517
	HEMBA1005508	12.944	12.524	22.247	8.636	16.857	11.561	7.741	12.059
	HEMBA1005511	116.338	59.193	267.636	59.921	58.995	43.190	30.786	51.049
	HEMBA1005513	167.332	70.217	88.519	56.620	54.920	73.797	80.751	68.624
	HEMBA1005517	37.667	10.443	23.901	8.903	17.777	21.966	23.844	18.611
40	HEMBA1005518	109.105	25.679	71.345	23.319	36.856	47.397	27.618	27.825
	HEMBA1005520	200.267	104.176	459.373	133.255	106.207	95.070	67.199	94.086
	HEMBA1005522	36.421	15.946	24.796	12.598	8.472	14.558	16.899	13.857
	HEMBA1005526	116.274	72.899	292.397	82.002	73.603	66.198	34.319	47.682
	HEMBA1005528	13.037	9.406	30.550	14.612	15.947	16.516	7.583	24.988
	HEMBA1005530	56.516	26.583	63.811	13.686	21.441	29.159	24.254	21.717
45	HEMBA1005538	5.523	17.373	36.952	7.017	10.885	11.406	15.411	35.789
	HEMBA1005539	76.498	30.847	69.424	17.584	24.989	35.829	28.772	25.913
	HEMBA1005545	46.912	10.940	32.124	15.206	46.822	33.595	31.865	24.090
	HEMBA1005548	57.779	14.326	15.050	10.139	18.638	22.115	22.271	39.291
	HEMBA1005552	141.489	120.695	363.831	84.934	81.893	79.223	60.281	62.088
	HEMBA1005558	52.488	20.021	24.397	9.638	22.919	24.422	21.466	8.178
50	HEMBA1005568	74.152	61.206	184.989	53.681	38.261	33.077	24.038	37.014
	HEMBA1005570	54.151	68.747	74.768	17.273	26.562	31.212	27.080	30.221
	HEMBA1005576	71.454	57.260	39.016	21.283	8.931	30.461	29.371	19.991
	HEMBA1005577	40.771	13.448	21.181	13.021	6.610	18.266	12.838	10.181
	HEMBA1005581	81.577	27.270	38.708	10.847	19.565	33.479	28.804	16.842
	HEMBA1005582	24.681	30.135	30.933	14.220	7.764	10.454	12.847	13.157

Table 34

HEMBA1005583	23.564	22.466	98.629	9.735	10.545	12.468	10.523	17.884
HEMBA1005588	96.041	96.264	266.022	69.126	54.588	44.105	34.310	52.441
HEMBA1005593	61.102	40.350	125.688	37.987	35.953	41.577	39.834	47.357
HEMBA1005595	52.429	18.652	31.240	8.095	8.750	14.586	12.433	7.264
HEMBA1005597	125.119	43.335	90.414	24.402	44.780	74.946	66.352	45.322
HEMBA1005606	141.646	66.667	95.041	30.084	57.974	107.329	84.655	46.145
HEMBA1005609	77.991	60.190	244.951	52.002	41.602	40.406	26.928	42.614
HEMBA1005616	47.760	62.865	190.870	42.670	41.809	32.256	23.683	43.139
HEMBA1005621	33.797	18.993	22.515	11.333	11.545	16.964	12.122	13.910
HEMBA1005627	128.661	66.487	148.021	45.359	42.161	42.054	30.884	43.319
HEMBA1005628	43.539	36.758	85.714	25.524	46.601	19.229	82.784	36.636
HEMBA1005631	21.340	8.467	38.068	22.476	18.318	17.813	12.599	28.199
HEMBA1005632	113.190	73.661	233.637	59.097	45.388	52.090	29.944	37.461
HEMBA1005634	123.668	195.912	390.579	101.523	107.528	72.729	54.939	130.473
HEMBA1005682	15.391	11.345	23.021	7.453	5.561	13.084	8.973	5.282
HEMBA1005666	33.844	30.419	34.983	13.220	31.573	24.609	13.796	28.043
HEMBA1005670	91.667	63.609	255.523	57.730	46.927	45.285	23.794	46.684
HEMBA1005671	63.448	55.388	34.948	26.297	20.567	2.367	5.666	13.509
HEMBA1005679	53.089	33.284	126.705	39.668	32.151	40.446	37.522	36.817
HEMBA1005680	115.289	72.018	220.408	76.653	55.707	68.735	32.613	36.282
HEMBA1005685	68.783	46.211	72.197	30.110	32.724	43.022	37.740	33.510
HEMBA1005698	37.890	35.679	44.793	29.794	25.150	48.613	15.651	20.648
HEMBA1005699	14.243	17.539	37.269	9.035	12.276	5.454	5.259	6.787
HEMBA1005703	19.524	15.116	20.249	7.662	15.489	11.648	8.488	10.229
HEMBA1005705	35.316	35.677	66.552	26.492	29.605	90.298	18.303	44.730
HEMBA1005712	20.312	29.695	30.267	17.829	17.668	17.695	14.517	23.820
HEMBA1005717	47.313	15.037	30.499	6.950	13.391	32.044	15.084	7.078
HEMBA1005718	88.576	81.734	176.773	75.414	46.080	58.797	49.803	76.705
HEMBA1005721	84.981	42.340	58.434	18.134	34.246	43.284	34.523	41.460
HEMBA1005722	174.952	92.346	194.868	55.652	48.768	63.471	92.755	56.031
HEMBA1005724	32.655	8.284	5.342	4.000	14.801	15.671	9.324	5.953
HEMBA1005732	89.624	24.907	32.546	5.638	21.753	30.046	28.487	20.595
HEMBA1005737	25.179	16.797	16.017	10.703	12.731	12.444	8.579	7.257
HEMBA1005742	11.547	23.162	24.345	20.921	29.934	18.597	13.749	22.702
HEMBA1005746	36.098	14.407	21.907	16.923	13.431	12.235	10.908	8.606
HEMBA1005747	80.718	30.396	44.843	21.861	30.274	80.588	47.082	26.037
HEMBA1005749	35.749	31.758	64.769	22.766	28.853	26.733	31.698	30.753
HEMBA1005756	34.680	39.133	30.663	37.837	21.308	24.392	15.905	25.470
HEMBA1005760	118.125	41.490	33.276	25.724	28.933	46.295	36.173	31.205
HEMBA1005765	94.451	70.516	200.826	48.023	37.340	35.414	31.098	40.041
HEMBA1005768	112.861	70.359	87.247	48.958	51.073	52.147	72.391	63.859
HEMBA1005780	55.961	34.713	89.816	28.466	46.254	28.283	25.156	29.122
HEMBA1005795	18.800	38.366	19.666	10.007	13.009	11.611	13.106	14.493
HEMBA1005809	67.301	66.510	87.390	53.061	43.975	35.574	35.334	57.818
HEMBA1005813	52.911	84.881	160.064	38.752	43.727	30.799	23.426	57.177
HEMBA1005816	30.398	30.434	43.366	19.911	16.123	39.746	26.743	28.548
HEMBA1005822	40.948	47.746	65.298	51.932	30.845	20.187	22.641	29.114
HEMBA1005828	114.982	70.536	272.004	48.816	38.558	40.259	23.443	35.824
HEMBA1005833	59.540	25.743	29.266	15.545	24.711	26.964	17.968	18.807
HEMBA1005834	151.440	82.917	322.413	102.348	74.711	59.590	35.082	70.415
HEMBA1005844	66.624	11.865	96.556	95.719	56.133	75.546	55.974	122.840
HEMBA1005852	71.743	77.830	72.218	63.009	85.623	78.593	90.291	87.310
HEMBA1005863	62.809	83.326	343.381	63.897	79.208	48.939	27.359	58.468
HEMBA1005878	139.991	109.928	447.600	93.748	65.325	53.917	35.383	63.446
HEMBA1005883	5.211	6.310	6.808	14.769	10.070	6.635	4.486	11.850
HEMBA1005884	9.136	10.768	29.442	9.504	7.302	9.142	4.561	12.287
HEMBA1005891	8.927	12.500	12.662	5.996	7.370	7.346	1.250	5.470
HEMBA1005894	70.006	59.347	177.879	49.407	29.584	23.227	14.651	36.934
HEMBA1005898	84.199	61.254	234.549	59.872	43.955	25.491	23.019	41.130
HEMBA1005902	38.306	16.873	52.804	16.742	33.189	39.317	26.778	43.681
HEMBA1005907	4.806	3.997	8.804	5.339	3.957	17.078	5.311	4.941
HEMBA1005909	4.140	3.733	23.479	2.443	4.661	6.683	0.750	10.643
HEMBA1005911	143.926	92.633	316.302	83.107	51.954	60.593	39.302	55.189
HEMBA1005912	18.801	17.269	13.568	32.298	21.976	14.454	12.917	26.318

Table 35

	HEMBA1005913	10.533	16.117	14.368	16.655	8.179	7.135	7.907	12.918
	HEMBA1005921	83.262	45.648	252.573	51.044	41.764	22.286	23.762	46.202
5	HEMBA1005922	64.440	17.427	35.136	20.084	33.779	24.835	18.394	14.883
	HEMBA1005929	173.002	139.696	378.444	96.543	83.075	72.298	55.205	94.716
	HEMBA1005931	146.354	89.551	224.601	83.623	63.406	73.122	54.973	59.891
	HEMBA1005934	141.558	91.791	227.012	89.834	99.341	96.876	62.967	55.492
	HEMBA1005945	144.693	21.871	38.880	19.915	46.699	78.590	80.430	30.052
	HEMBA1005962	67.209	34.719	63.745	21.004	17.931	29.331	21.199	20.008
10	HEMBA1005963	18.320	6.954	9.127	5.913	2.497	8.674	7.674	4.873
	HEMBA1005990	581.646	117.336	139.967	53.671	242.262	424.182	418.873	85.511
	HEMBA1005991	67.437	59.327	188.570	42.994	21.101	33.868	19.164	11.619
	HEMBA1005999	193.878	135.695	450.789	126.399	129.150	103.289	53.193	115.911
	HEMBA1006002	73.560	26.438	22.156	12.657	16.731	16.116	10.600	19.305
	HEMBA1006005	59.620	7.083	16.863	8.213	29.019	53.513	52.130	23.838
15	HEMBA1006011	25.811	30.413	39.888	21.434	54.488	30.978	27.996	25.339
	HEMBA1006013	51.604	13.251	19.743	11.817	15.364	28.363	21.493	18.674
	HEMBA1006016	101.929	42.149	115.996	36.228	39.875	46.607	33.305	26.397
	HEMBA1006019	31.772	18.482	22.979	15.207	22.984	24.244	26.246	14.100
	HEMBA1006021	26.984	10.213	45.937	9.253	20.615	14.587	14.203	12.256
	HEMBA1006022	100.930	40.046	62.368	42.744	23.660	46.057	25.008	19.323
20	HEMBA1006031	42.088	41.281	14.729	11.264	12.725	36.716	13.037	5.133
	HEMBA1006035	10.089	10.059	27.290	8.123	6.309	6.629	2.039	5.229
	HEMBA1006038	188.431	82.469	443.914	119.939	80.135	81.126	54.157	94.631
	HEMBA1006042	69.906	33.773	134.462	30.108	23.244	29.765	29.479	29.607
	HEMBA1006044	53.721	10.199	12.818	4.725	8.467	5.436	2.586	4.088
	HEMBA1006045	48.078	43.730	61.128	28.336	25.311	26.461	23.478	44.272
	HEMBA1006048	35.685	18.435	41.495	19.225	19.636	34.213	26.302	28.809
25	HEMBA1006053	0.000	356.500	78.844	24.270	47.030	114.986	63.574	385.970
	HEMBA1006055	7.603	5.331	12.625	4.484	13.776	12.227	9.079	5.545
	HEMBA1006058	51.872	19.394	14.828	7.834	11.877	25.640	15.830	21.486
	HEMBA1006063	72.836	52.429	63.882	34.021	30.125	39.536	28.303	35.860
	HEMBA1006067	6.005	14.253	7.505	3.169	2.242	3.352	4.358	0.888
	HEMBA1006081	70.282	19.151	25.838	8.981	9.908	26.560	16.837	23.976
30	HEMBA1006089	54.392	23.145	42.709	18.278	17.433	17.768	18.372	23.981
	HEMBA1006090	71.092	20.389	36.832	15.386	17.868	38.904	35.031	18.238
	HEMBA1006091	69.022	28.947	126.425	16.353	30.302	56.034	53.660	66.468
	HEMBA1006093	111.885	11.435	50.738	16.185	27.667	43.178	28.048	14.980
	HEMBA1006099	40.381	27.136	39.149	18.199	31.100	31.158	28.536	26.484
	HEMBA1006100	36.979	48.991	259.267	41.090	50.094	24.833	13.379	34.466
35	HEMBA1006108	40.170	19.301	21.811	11.126	8.795	12.441	8.780	16.453
	HEMBA1006114	42.849	44.783	46.702	33.193	23.220	34.626	28.294	51.766
	HEMBA1006121	160.208	21.943	26.728	10.160	21.331	17.129	26.838	25.137
	HEMBA1006124	63.151	11.764	15.994	17.764	14.099	57.249	29.200	8.240
	HEMBA1006125	72.730	70.406	57.020	50.067	45.287	40.856	45.665	68.939
	HEMBA1006130	38.221	31.688	34.742	7.817	28.246	34.473	25.728	21.315
40	HEMBA1006138	160.258	170.815	435.120	106.719	139.860	100.947	67.854	89.604
	HEMBA1006142	127.194	85.725	238.562	54.631	52.936	85.032	45.938	59.791
	HEMBA1006150	66.777	58.231	76.666	58.841	19.605	46.114	33.261	75.731
	HEMBA1006151	189.265	67.959	104.921	29.646	46.546	66.736	74.155	88.383
	HEMBA1006156	141.288	19.560	50.142	11.752	32.711	79.435	60.621	32.838
	HEMBA1006158	17.276	12.039	19.210	7.139	7.468	23.241	7.360	13.357
	HEMBA1006164	140.272	70.843	382.965	97.488	87.832	69.460	42.210	65.135
45	HEMBA1006171	66.839	48.304	34.618	13.911	21.700	40.783	26.049	37.233
	HEMBA1006173	63.939	35.393	52.598	22.894	32.403	35.413	40.872	67.870
	HEMBA1006176	51.671	222.661	52.703	39.369	29.305	59.271	24.272	83.343
	HEMBA1006182	72.842	38.362	132.455	29.730	26.735	30.382	19.907	34.405
	HEMBA1006197	16.655	31.338	37.528	55.808	23.143	18.848	13.456	40.765
	HEMBA1006198	30.466	15.178	21.337	16.185	25.764	15.643	14.389	18.561
50	HEMBA1006213	38.783	20.120	38.136	15.627	10.604	25.761	21.716	35.282
	HEMBA1006217	32.003	18.510	33.960	4.079	17.107	31.016	36.528	19.419
	HEMBA1006226	40.304	60.090	110.529	40.359	39.915	62.796	35.202	59.281
	HEMBA1006235	40.954	9.021	21.361	7.280	14.241	13.056	4.951	7.077
	HEMBA1006248	42.946	17.521	32.092	10.747	12.992	19.331	18.339	17.999
55	HEMBA1006251	84.944	24.303	30.554	15.291	24.212	30.870	18.154	10.996

Table 36

HEMBA1006252	36.069	24.612	74.170	29.506	28.055	19.517	14.085	15.356
HEMBA1006253	75.854	7.002	20.773	16.455	11.705	12.936	6.506	11.398
HEMBA1006259	37.456	48.402	136.000	39.735	19.462	25.242	19.832	25.931
HEMBA1006261	23.677	23.578	6.874	13.012	7.127	69.427	7.141	17.143
HEMBA1006268	35.886	12.563	30.879	8.970	7.077	19.793	22.288	18.289
HEMBA1006271	122.980	98.618	185.469	77.610	45.268	47.910	36.533	47.867
HEMBA1006272	16.261	12.829	9.416	4.968	5.925	27.766	15.997	7.567
HEMBA1006273	47.690	12.641	71.219	20.880	30.446	30.473	18.419	22.459
HEMBA1006276	79.296	11.878	30.854	34.032	8.760	27.188	16.165	7.501
HEMBA1006278	40.093	7.717	26.091	4.506	18.669	11.680	11.224	9.893
HEMBA1006283	16.994	23.586	25.614	25.226	23.447	59.086	28.267	25.848
HEMBA1006284	29.982	22.166	27.891	20.874	8.594	18.386	15.293	13.396
HEMBA1006291	22.745	13.071	36.861	9.870	4.069	11.649	31.851	7.519
HEMBA1006292	17.718	8.916	20.081	10.169	4.378	7.903	9.259	7.898
HEMBA1006293	31.307	10.056	8.749	4.645	4.097	8.631	8.473	7.189
HEMBA1006299	21.091	5.917	6.157	1.371	4.543	2.465	1.701	2.648
HEMBA1006309	69.975	25.568	110.869	33.191	19.510	31.160	24.850	17.764
HEMBA1006310	40.983	23.265	36.585	20.570	11.748	29.056	27.263	17.748
HEMBA1006311	85.398	20.844	64.711	8.925	20.171	92.798	9.481	19.313
HEMBA1006313	27.762	12.975	47.707	17.417	7.455	13.117	9.891	6.082
HEMBA1006316	23.345	3.751	3.303	2.158	8.774	9.668	8.505	3.270
HEMBA1006328	79.937	83.744	185.981	41.111	28.820	37.527	35.377	85.968
HEMBA1006334	22.524	16.717	17.679	5.994	8.506	9.813	3.866	5.361
HEMBA1006335	72.666	41.477	35.235	27.435	6.110	5.851	24.375	8.434
HEMBA1006344	34.707	67.866	132.978	46.518	34.812	40.158	41.934	25.330
HEMBA1006347	34.301	18.445	32.190	19.603	16.749	20.762	20.884	15.376
HEMBA1006349	139.389	26.300	48.767	43.275	22.026	24.648	22.876	21.499
HEMBA1006352	21.127	17.873	15.526	9.410	8.472	14.845	7.491	9.414
HEMBA1006357	94.337	82.319	287.531	67.888	76.120	47.179	41.500	59.557
HEMBA1006358	48.925	31.345	132.494	32.473	25.019	28.197	13.250	24.899
HEMBA1006359	67.203	18.522	160.314	70.923	17.441	30.688	11.154	47.991
HEMBA1006360	29.518	10.133	15.515	17.275	6.141	13.876	6.804	8.361
HEMBA1006364	59.236	7.900	27.522	12.114	5.401	15.432	17.981	6.672
HEMBA1006377	67.120	31.113	57.269	33.567	23.849	45.246	31.609	20.280
HEMBA1006380	73.227	57.029	182.581	57.870	22.288	33.416	23.616	40.932
HEMBA1006381	359.346	122.755	376.090	126.304	112.826	146.346	91.469	93.252
HEMBA1006385	60.234	62.166	257.945	59.429	59.157	40.136	35.385	17.281
HEMBA1006390	71.393	38.752	46.828	25.848	16.455	41.253	16.013	27.609
HEMBA1006391	61.261	18.765	20.686	10.972	10.022	39.431	27.305	11.797
HEMBA1006398	42.069	3.225	18.036	5.299	25.386	6.480	0.000	3.308
HEMBA1006406	137.413	28.645	40.904	17.896	18.180	84.926	41.325	24.773
HEMBA1006410	149.560	32.840	61.022	20.027	39.718	54.551	23.826	33.928
HEMBA1006416	96.031	62.892	198.896	50.538	38.551	37.025	37.809	33.447
HEMBA1006418	23.236	18.335	23.851	11.378	10.280	28.208	46.245	36.223
HEMBA1006419	189.293	101.979	476.145	90.626	79.213	64.306	40.042	52.384
HEMBA1006421	39.702	26.487	127.221	23.773	16.184	14.460	12.270	13.523
HEMBA1006424	4.484	36.452	10.588	3.778	4.512	7.346	2.324	3.323
HEMBA1006426	88.597	67.224	230.530	60.836	32.273	40.489	17.284	36.244
HEMBA1006430	61.672	17.989	69.151	15.913	11.038	15.595	9.696	17.632
HEMBA1006438	45.084	34.475	111.512	27.012	15.035	34.111	12.678	11.056
HEMBA1006445	48.245	13.919	53.981	9.326	15.672	34.167	27.442	18.331
HEMBA1006446	22.911	3.160	3.324	1.568	4.341	2.585	1.331	0.000
HEMBA1006456	36.915	28.165	141.114	18.827	65.823	33.549	13.651	33.405
HEMBA1006461	60.747	42.392	161.108	40.447	22.274	32.823	18.018	27.165
HEMBA1006467	13.357	6.130	15.734	10.759	4.032	4.471	6.183	2.655
HEMBA1006470	73.960	30.706	103.625	27.235	29.870	33.756	33.818	24.286
HEMBA1006471	19.032	4.504	7.503	2.933	2.522	5.224	10.020	1.873
HEMBA1006474	25.718	12.420	21.381	11.498	9.614	19.875	17.655	13.491
HEMBA1006476	180.042	91.936	63.588	43.462	42.248	109.725	88.725	65.945
HEMBA1006482	129.627	169.312	167.982	151.338	57.839	95.521	75.480	239.325
HEMBA1006483	99.620	64.773	232.207	50.445	29.074	37.572	23.818	27.130
HEMBA1006485	41.690	4.055	17.445	11.682	4.522	9.351	6.411	10.066
HEMBA1006486	76.250	36.421	29.634	46.687	17.302	21.229	17.832	15.706
HEMBA1006489	5.771	32.673	2.141	5.240	2.356	4.324	4.739	7.328

Table 37

HEMBA1006492	14.002	19.916	24.662	35.451	8.836	8.075	11.419	12.090
HEMBA1006494	7.279	0.000	19.790	3.750	8.718	8.343	5.851	5.887
HEMBA1006497	41.284	12.396	23.326	6.590	7.186	11.228	9.062	5.781
HEMBA1006501	160.565	16.895	26.893	13.446	17.608	65.467	41.560	6.197
HEMBA1006502	53.451	19.114	39.593	25.366	10.919	15.054	17.536	15.658
HEMBA1006507	19.274	8.180	10.287	4.521	7.939	5.288	15.480	10.062
HEMBA1006517	95.989	30.085	91.871	18.732	21.918	45.881	29.819	16.672
HEMBA1006521	31.224	27.873	37.864	18.318	9.774	14.205	14.646	13.907
HEMBA1006529	28.702	20.010	34.050	20.150	16.588	7.353	8.993	17.327
HEMBA1006530	18.445	16.411	29.175	14.433	12.214	16.734	15.731	8.081
HEMBA1006535	11.627	7.208	16.048	3.956	8.160	19.824	5.837	3.457
HEMBA1006536	68.087	40.009	142.475	43.263	34.343	42.050	42.157	23.975
HEMBA1006540	20.393	10.867	35.153	8.637	8.656	15.027	11.094	10.350
HEMBA1006544	30.281	4.662	59.940	7.791	7.169	15.883	8.745	8.693
HEMBA1006546	68.722	53.155	127.193	49.337	73.807	60.506	22.328	34.045
HEMBA1006549	13.885	13.666	21.800	11.666	8.491	14.211	8.987	6.080
HEMBA1006559	26.976	22.040	38.197	16.910	14.550	14.058	13.018	17.217
HEMBA1006562	55.924	24.663	75.789	20.363	17.181	26.651	18.158	19.510
HEMBA1006566	20.849	6.116	14.933	8.767	9.572	6.937	5.229	4.788
HEMBA1006569	67.508	20.299	44.291	27.048	12.798	15.243	24.739	31.861
HEMBA1006572	21.817	4.339	15.862	1.796	3.407	11.582	8.381	5.922
HEMBA1006579	5.427	18.336	4.219	3.440	2.139	5.460	3.967	5.110
HEMBA1006583	31.967	15.854	29.307	14.271	11.747	26.889	17.058	10.451
HEMBA1006595	59.014	41.577	148.359	30.860	16.681	19.571	13.265	24.768
HEMBA1006597	111.817	64.480	210.001	47.574	27.392	47.009	27.887	28.666
HEMBA1006606	79.184	47.311	131.822	40.177	33.228	35.403	25.240	31.687
HEMBA1006612	43.105	20.909	46.913	39.205	20.348	25.383	18.706	17.150
HEMBA1006617	79.139	62.924	235.236	60.258	30.407	40.264	28.184	38.643
HEMBA1006624	449.384	84.050	165.494	39.352	209.908	291.427	208.533	65.478
HEMBA1006631	168.309	108.316	381.778	89.896	71.812	80.634	39.325	50.996
HEMBA1006635	51.406	33.730	158.286	28.605	19.347	19.781	9.639	12.894
HEMBA1006639	67.363	30.354	51.867	15.409	33.210	43.083	26.296	12.985
HEMBA1006643	229.885	30.246	56.218	16.406	35.196	68.642	41.724	17.931
HEMBA1006648	80.985	32.464	39.607	14.926	36.718	12.135	32.217	48.853
HEMBA1006652	118.455	69.232	231.917	50.609	51.023	50.716	21.698	29.527
HEMBA1006653	46.971	16.614	46.472	16.579	12.358	15.364	13.867	9.224
HEMBA1006658	89.823	28.363	60.976	37.660	28.124	47.014	33.470	16.872
HEMBA1006659	79.863	33.626	48.217	49.132	29.124	33.070	25.182	33.784
HEMBA1006665	25.726	26.740	39.661	13.975	13.287	15.240	12.046	10.419
HEMBA1006666	8.276	4.281	10.666	6.319	4.257	10.392	2.791	2.171
HEMBA1006671	39.553	178.623	135.413	18.941	17.294	37.782	10.166	32.048
HEMBA1006674	100.472	44.108	176.724	46.922	36.867	44.809	43.576	43.269
HEMBA1006676	120.417	42.888	163.816	29.504	40.435	60.162	32.540	34.825
HEMBA1006682	27.104	2.556	23.174	4.035	8.982	19.092	3.958	0.000
HEMBA1006688	57.351	56.288	111.358	60.597	65.322	37.545	20.757	20.789
HEMBA1006695	132.496	140.334	315.655	97.296	56.206	54.392	37.622	57.596
HEMBA1006696	65.136	25.204	42.137	26.654	26.490	30.156	6.159	27.512
HEMBA1006702	4.275	4.328	8.881	7.114	3.362	1.846	7.796	1.965
HEMBA1006707	52.417	20.766	26.862	21.409	19.843	32.229	13.146	18.546
HEMBA1006708	126.875	38.520	66.803	31.253	33.294	55.347	32.071	18.229
HEMBA1006709	67.500	31.686	94.432	24.924	17.365	30.329	18.603	23.474
HEMBA1006717	110.641	21.536	29.255	12.664	16.091	54.326	26.752	11.544
HEMBA1006724	34.421	23.073	25.607	18.231	12.305	27.570	10.585	17.797
HEMBA1006731	36.072	18.255	41.441	15.382	16.479	17.272	10.826	15.482
HEMBA1006737	80.467	14.107	30.096	14.542	20.232	22.606	10.316	11.440
HEMBA1006742	60.258	45.190	134.964	35.452	21.316	21.889	15.223	23.529
HEMBA1006743	41.970	22.864	31.760	22.024	15.126	23.989	13.179	16.281
HEMBA1006744	181.068	97.273	433.004	103.006	69.785	59.354	46.770	61.806
HEMBA1006749	51.776	9.753	37.994	13.564	23.164	34.516	28.426	23.238
HEMBA1006752	124.800	60.318	88.111	59.765	47.490	69.461	37.541	47.074
HEMBA1006754	49.957	30.459	86.726	23.747	17.745	16.269	10.783	12.424
HEMBA1006756	75.460	21.737	26.190	19.832	18.249	38.492	30.654	15.933
HEMBA1006767	14.002	15.106	11.961	16.059	5.628	13.334	8.382	8.573
HEMBA1006770	120.485	21.505	62.144	29.559	32.512	49.739	45.952	28.318

Table 38

HEMBA1006779	81.492	51.077	162.657	41.163	39.166	36.722	18.025	29.256
HEMBA1006780	78.359	78.052	345.442	73.371	68.858	55.888	41.524	39.494
HEMBA1006789	29.455	21.233	20.440	14.349	11.547	38.549	19.736	25.701
HEMBA1006795	143.727	88.701	218.732	55.068	49.500	46.284	21.141	40.750
HEMBA1006796	87.214	15.814	115.542	17.685	16.790	38.694	15.525	15.352
HEMBA1006805	68.116	31.212	153.041	33.162	30.301	34.197	24.275	30.733
HEMBA1006807	94.524	86.723	157.559	64.349	36.505	62.933	23.097	55.508
HEMBA1006813	40.696	4.415	4.750	4.264	10.978	7.562	6.201	3.198
HEMBA1006819	53.717	15.217	30.071	14.679	17.006	30.866	20.346	6.250
HEMBA1006821	39.052	30.425	111.325	35.769	34.975	22.216	18.924	20.698
HEMBA1006824	68.491	61.498	201.721	47.107	40.322	27.255	21.689	27.074
HEMBA1006832	84.462	89.500	102.038	77.046	40.147	75.996	66.799	71.706
HEMBA1006834	123.958	57.085	160.407	48.909	41.460	61.443	30.402	31.940
HEMBA1006835	33.705	19.529	38.470	23.193	18.979	22.344	22.426	16.742
HEMBA1006843	52.436	44.642	96.773	258.615	195.878	33.141	8.256	13.117
HEMBA1006849	88.931	34.224	158.388	39.483	30.349	34.943	15.743	28.240
HEMBA1006850	44.733	24.923	67.667	24.186	15.829	36.593	11.223	18.454
HEMBA1006861	215.207	94.180	158.997	67.349	259.512	135.856	371.932	44.063
HEMBA1006865	124.996	59.773	124.376	43.328	69.356	71.072	66.350	45.129
HEMBA1006867	16.632	11.094	39.646	14.084	12.902	11.855	5.865	18.338
HEMBA1006873	9.965	9.279	7.010	5.013	6.262	5.127	7.141	8.422
HEMBA1006877	44.043	18.321	20.546	8.172	14.670	13.165	16.493	9.073
HEMBA1006878	100.427	34.418	109.029	25.739	29.525	48.800	41.513	17.905
HEMBA1006879	108.299	42.811	121.051	60.872	47.507	40.075	14.429	51.924
HEMBA1006884	95.426	29.331	67.556	27.787	25.909	106.818	47.878	47.793
HEMBA1006885	107.720	54.342	127.920	62.272	55.739	51.739	36.790	50.612
HEMBA1006886	50.841	22.970	51.528	12.561	20.660	23.207	26.952	19.149
HEMBA1006889	81.809	20.952	21.474	12.691	24.681	41.822	48.768	15.196
HEMBA1006896	68.030	97.285	75.370	52.746	23.109	44.481	37.701	50.662
HEMBA1006900	61.615	36.410	61.016	23.329	21.390	38.404	27.583	22.774
HEMBA1006902	43.283	19.713	47.129	12.105	11.602	27.830	26.548	13.885
HEMBA1006912	183.904	90.995	338.160	78.230	79.588	63.729	39.994	64.953
HEMBA1006914	54.548	39.053	48.945	35.736	25.895	38.586	22.479	33.810
HEMBA1006916	62.872	0.000	65.115	29.982	32.625	61.537	62.750	30.818
HEMBA1006921	64.867	21.840	74.902	15.692	30.866	41.257	25.569	10.362
HEMBA1006926	51.195	10.616	76.671	24.435	20.300	84.402	29.503	20.967
HEMBA1006927	24.016	13.778	23.573	5.335	15.250	11.291	11.672	7.086
HEMBA1006929	7.146	8.487	5.431	5.526	1.676	5.970	5.888	3.134
HEMBA1006936	68.233	22.847	45.566	20.391	16.346	25.493	20.196	17.720
HEMBA1006938	14.202	8.409	31.234	7.743	5.002	6.780	6.773	5.945
HEMBA1006941	30.559	24.290	40.928	13.779	16.040	34.253	22.542	18.507
HEMBA1006942	147.487	57.842	121.883	69.207	55.456	76.853	61.942	66.640
HEMBA1006945	80.546	64.930	104.037	63.709	40.444	54.676	33.533	31.915
HEMBA1006949	10.292	41.467	23.921	1.860	15.813	7.071	10.866	5.231
HEMBA1006952	58.685	12.572	34.750	8.032	18.283	39.764	15.332	12.456
HEMBA1006960	91.939	38.895	93.164	24.834	34.400	36.160	36.715	34.791
HEMBA1006973	74.208	24.793	50.621	17.619	22.844	24.971	24.844	16.167
HEMBA1006974	48.691	39.013	59.474	48.064	16.798	38.579	21.301	48.006
HEMBA1006976	35.907	15.675	32.116	19.091	14.522	30.574	25.042	18.348
HEMBA1006989	6.422	2.207	2.374	3.336	2.670	3.696	2.557	3.536
HEMBA1006993	334.266	64.150	357.947	46.138	95.466	144.777	109.174	54.000
HEMBA1006996	9.183	9.870	15.032	9.483	5.722	9.618	8.368	9.637
HEMBA1007001	117.610	95.668	334.868	56.093	55.288	47.863	27.205	56.828
HEMBA1007002	93.134	41.846	72.311	21.453	16.249	59.722	46.434	40.628
HEMBA1007013	65.734	23.106	53.712	16.933	20.783	34.293	29.163	29.338
HEMBA1007016	36.649	14.972	27.491	6.385	9.597	17.982	16.658	16.035
HEMBA1007017	8.290	0.000	8.194	2.155	5.231	2.329	1.949	0.000
HEMBA1007018	19.457	15.664	19.767	14.280	10.586	15.084	9.105	14.124
HEMBA1007044	139.784	50.078	125.738	15.913	53.729	123.367	90.838	36.173
HEMBA1007045	49.576	7.913	39.757	9.069	10.104	19.099	12.683	7.276
HEMBA1007061	36.374	44.117	129.384	27.586	19.407	24.088	15.546	9.363
HEMBA1007062	69.582	19.611	40.507	19.050	9.213	19.409	18.969	10.939
HEMBA1007063	25.326	27.611	21.861	14.031	14.266	20.128	7.847	9.544
HEMBA1007067	45.897	13.545	33.857	18.616	25.861	36.241	14.769	13.902

Table 39

	HEMBA1007062	129.012	18.903	40.670	21.323	29.469	40.252	29.408	15.700
	HEMBA1007063	81.681	45.884	187.380	52.391	36.943	28.608	35.303	41.236
5	HEMBA1007066	98.396	32.970	35.373	22.961	11.085	42.430	26.631	14.760
	HEMBA1007069	23.449	21.519	78.409	16.835	27.425	17.217	9.095	16.163
	HEMBA1007073	54.833	42.548	40.682	29.352	11.879	7.937	24.282	19.372
	HEMBA1007076	83.020	48.746	248.260	61.189	50.193	68.045	43.836	35.650
	HEMBA1007078	151.561	159.600	446.445	189.146	130.283	98.734	65.934	117.079
	HEMBA1007080	43.963	44.765	174.545	66.950	45.879	43.194	43.909	50.100
10	HEMBA1007084	78.948	60.672	268.327	63.769	63.088	60.307	35.006	46.868
	HEMBA1007085	263.538	108.018	162.599	48.155	77.645	161.321	63.614	80.640
	HEMBA1007087	85.598	25.085	47.862	25.580	13.918	62.815	143.461	30.856
	HEMBA1007089	21.131	32.023	21.145	14.738	7.213	19.681	9.036	10.026
	HEMBA1007095	147.777	215.051	136.910	63.992	170.706	117.992	103.152	86.452
	HEMBA1007101	78.959	53.790	147.891	35.676	28.082	27.200	19.131	25.922
15	HEMBA1007104	66.308	23.279	45.417	11.902	19.488	48.054	26.760	16.647
	HEMBA1007106	28.449	17.761	41.268	28.670	17.681	14.174	10.999	7.534
	HEMBA1007112	12.759	8.412	16.340	9.319	7.661	7.304	13.296	6.622
	HEMBA1007113	126.702	0.000	229.408	64.551	40.242	39.032	13.319	26.174
	HEMBA1007121	219.036	207.410	696.658	149.217	168.827	131.628	642.099	128.755
20	HEMBA1007129	50.726	42.510	63.847	31.663	26.417	24.371	18.928	20.103
	HEMBA1007147	111.299	117.722	312.811	79.949	67.395	74.391	35.758	54.184
	HEMBA1007149	83.453	6.442	19.831	7.332	11.043	9.349	9.831	8.756
	HEMBA1007151	97.211	33.530	53.944	24.544	18.501	35.246	36.228	24.174
	HEMBA1007172	52.683	25.324	438.704	42.182	28.599	38.126	26.167	25.770
	HEMBA1007174	52.921	13.482	44.770	21.384	19.520	28.559	22.332	20.471
	HEMBA1007176	89.919	24.768	53.414	32.841	44.643	73.679	87.040	30.762
25	HEMBA1007178	93.941	73.120	135.427	34.313	32.040	34.622	22.898	24.897
	HEMBA1007185	62.558	18.807	36.824	15.490	20.528	37.568	22.260	12.783
	HEMBA1007186	70.967	31.546	59.038	21.059	21.332	35.648	42.864	11.346
	HEMBA1007194	53.376	38.911	126.660	33.992	23.875	21.109	12.122	23.307
	HEMBA1007200	74.955	53.829	44.212	23.979	20.225	32.762	55.417	22.176
	HEMBA1007203	87.803	26.807	41.357	14.648	9.791	23.392	30.167	17.274
30	HEMBA1007206	82.800	73.675	225.293	44.461	28.674	37.091	14.673	34.505
	HEMBA1007224	25.614	40.402	50.116	21.484	14.920	22.548	13.197	20.053
	HEMBA1007226	88.512	43.606	93.121	22.209	17.911	38.704	43.759	31.721
	HEMBA1007240	131.657	62.804	86.650	9.510	21.890	53.116	42.250	16.655
	HEMBA1007241	12.225	7.719	18.461	5.061	6.724	15.945	3.135	5.390
	HEMBA1007242	21.409	14.030	13.648	11.068	6.265	17.370	8.487	5.236
35	HEMBA1007243	61.824	25.854	40.264	17.235	23.438	39.197	31.904	20.347
	HEMBA1007251	37.660	16.946	37.149	16.699	12.180	19.482	30.321	10.262
	HEMBA1007256	53.905	43.642	113.110	31.642	27.946	30.492	18.548	23.645
	HEMBA1007267	80.741	40.085	207.160	61.174	38.220	29.008	32.282	29.672
	HEMBA1007273	41.062	9.087	11.906	6.193	6.445	7.723	9.225	4.483
	HEMBA1007279	54.376	20.734	133.494	27.987	21.355	19.941	17.364	19.503
40	HEMBA1007281	8.523	5.717	4.731	3.403	2.317	2.487	2.740	0.000
	HEMBA1007283	25.940	14.444	24.974	23.487	19.771	23.418	19.378	26.409
	HEMBA1007288	57.959	39.576	155.227	28.725	24.689	25.110	16.998	16.095
	HEMBA1007291	37.974	19.069	59.253	20.445	13.404	17.976	13.060	13.147
	HEMBA1007299	446.640	93.668	199.852	61.423	94.129	249.346	241.373	86.323
	HEMBA1007300	103.752	25.694	24.914	18.217	40.413	26.018	31.407	16.669
45	HEMBA1007301	49.752	18.178	32.677	18.170	33.650	33.786	22.892	12.782
	HEMBA1007319	13.312	10.598	23.453	16.511	4.278	9.382	2.996	8.570
	HEMBA1007320	53.723	23.595	62.301	29.439	16.672	32.932	28.191	18.418
	HEMBA1007322	45.986	125.362	77.545	43.693	17.955	45.689	39.556	80.836
	HEMBA1007323	64.720	16.869	22.970	11.238	11.687	32.209	25.350	7.506
	HEMBA1007326	313.094	189.188	862.276	214.045	178.109	171.587	70.819	115.174
50	HEMBA1007327	78.767	61.102	219.980	55.002	29.411	44.095	29.354	42.286
	HEMBA1007332	71.516	9.318	34.879	5.559	7.452	24.826	12.763	20.050
	HEMBA1007341	89.805	53.431	207.395	82.402	105.877	47.861	32.826	50.162
	HEMBA1007342	22.063	17.289	28.253	18.196	17.751	26.378	13.820	9.173
	HEMBA1007347	112.392	64.499	230.022	60.348	47.557	63.758	30.683	33.285
	HEMBA1007353	1.685	3.520	0.575	1.860	1.976	0.107	2.061	0.788
55	HEMBA1000005	60.047	46.027	121.870	38.241	20.699	18.268	20.068	26.957
	HEMBA1000008	97.929	53.604	274.179	68.681	38.935	39.328	26.881	34.873

Table 40

	HEMBB1000018	122.130	127.861	329.165	120.419	57.867	95.203	75.902	92.924
	HEMBB1000024	181.606	97.019	373.954	102.401	70.406	70.591	40.304	66.798
5	HEMBB1000025	85.919	29.049	45.055	23.789	13.946	24.397	29.349	13.072
	HEMBB1000030	108.167	68.316	303.677	83.010	68.378	81.687	34.886	37.617
	HEMBB1000036	107.960	11.573	50.484	11.277	20.480	41.381	25.378	14.730
	HEMBB1000037	77.688	29.380	69.658	58.679	27.020	54.062	30.086	15.311
	HEMBB1000039	52.550	48.503	140.795	30.096	18.739	26.012	15.151	21.723
	HEMBB1000044	134.136	75.469	218.667	61.596	32.667	29.659	43.360	42.831
10	HEMBB1000048	17.937	21.052	31.004	18.291	11.321	20.120	21.506	15.078
	HEMBB1000060	74.210	33.681	207.484	35.691	22.905	25.584	18.572	17.494
	HEMBB1000054	68.273	47.191	246.350	44.008	24.522	29.259	22.570	21.316
	HEMBB1000055	72.875	112.284	61.172	110.297	21.358	70.636	93.824	132.288
	HEMBB1000059	331.577	184.687	662.540	182.481	130.065	131.364	90.002	121.903
	HEMBB1000072	240.733	98.890	326.893	75.919	67.742	118.222	108.108	91.458
15	HEMBB1000081	23.738	27.174	85.100	21.146	30.856	20.458	7.513	15.351
	HEMBB1000083	120.759	58.163	188.224	40.609	37.789	59.334	33.712	39.101
	HEMBB1000088	67.618	54.952	191.832	56.629	24.609	36.847	30.680	26.912
	HEMBB1000094	355.534	116.828	161.958	31.504	29.300	49.613	36.239	35.197
	HEMBB1000097	27.834	63.724	51.488	14.249	22.834	34.068	18.547	16.455
	HEMBB1000099	157.641	91.912	456.470	71.078	50.739	64.471	32.108	43.354
20	HEMBB1000103	75.781	59.392	114.974	44.216	31.915	47.628	23.669	56.268
	HEMBB1000106	62.814	44.996	77.918	35.044	19.825	40.409	26.156	46.001
	HEMBB1000113	43.660	33.435	95.987	42.744	19.714	20.114	15.899	21.606
	HEMBB1000119	57.350	21.211	42.528	17.770	19.517	28.754	23.570	30.104
	HEMBB1000133	92.950	65.230	58.619	69.544	53.706	104.229	39.058	80.858
	HEMBB1000134	44.120	20.654	76.693	40.611	24.712	37.185	42.327	21.963
25	HEMBB1000136	21.810	7.191	44.517	15.599	7.339	22.582	12.399	24.899
	HEMBB1000141	163.867	99.946	331.822	95.807	55.858	64.560	36.737	52.602
	HEMBB1000144	96.831	97.019	183.423	88.529	36.185	15.577	29.259	32.144
	HEMBB1000147	59.253	9.088	62.426	7.391	11.451	7.175	11.502	10.693
	HEMBB1000152	56.391	28.723	34.597	15.309	19.424	32.469	29.105	19.117
	HEMBB1000154	85.308	47.878	101.061	33.881	19.477	27.298	20.174	15.366
30	HEMBB1000166	35.691	36.132	109.038	28.164	29.608	22.283	16.557	17.041
	HEMBB1000173	170.611	173.001	494.253	143.666	83.705	123.932	65.317	76.388
	HEMBB1000175	32.273	19.114	23.481	10.948	4.039	29.180	7.135	13.322
	HEMBB1000176	56.984	51.334	90.749	69.004	40.144	52.980	25.845	19.359
	HEMBB1000198	70.426	12.768	26.381	10.237	6.266	11.215	8.858	5.363
	HEMBB1000208	42.474	8.966	34.929	10.418	12.883	9.285	12.335	7.978
35	HEMBB1000209	43.846	10.700	8.943	10.934	8.858	12.135	9.049	4.168
	HEMBB1000212	27.532	12.579	76.077	15.361	33.618	17.471	13.132	16.552
	HEMBB1000215	178.324	89.053	294.606	95.420	68.598	89.720	51.270	61.235
	HEMBB1000217	148.073	45.416	96.614	47.569	37.572	89.989	48.073	33.510
	HEMBB1000218	88.298	123.000	347.859	84.124	41.828	57.417	21.147	34.605
	HEMBB1000226	70.693	14.949	41.586	31.786	30.261	28.577	14.779	27.177
40	HEMBB1000230	28.681	8.910	13.549	5.500	3.547	9.616	6.632	3.293
	HEMBB1000240	44.662	12.588	13.211	10.455	4.589	41.554	8.171	7.082
	HEMBB1000244	22.390	13.510	42.662	18.503	18.758	11.192	2.111	13.188
	HEMBB1000250	20.878	6.254	20.741	9.109	1.841	13.561	9.540	2.708
	HEMBB1000258	101.717	75.034	336.781	79.281	52.303	67.231	33.313	34.880
	HEMBB1000264	99.327	57.280	269.540	83.791	39.799	96.654	62.346	79.783
	HEMBB1000266	70.747	23.082	23.217	14.456	28.745	34.547	15.022	15.672
45	HEMBB1000272	14.990	14.502	10.270	6.954	12.730	6.133	4.205	16.611
	HEMBB1000274	105.245	46.925	190.978	49.759	41.568	43.127	18.199	25.826
	HEMBB1000276	6.479	2.218	2.501	4.783	1.754	2.070	2.079	1.252
	HEMBB1000284	4.790	5.088	7.884	3.489	2.213	3.213	1.981	3.304
	HEMBB1000307	52.330	30.191	128.450	28.961	22.038	15.869	9.113	21.677
	HEMBB1000309	86.347	36.463	96.140	43.964	34.442	33.118	18.805	21.507
50	HEMBB1000312	41.862	30.986	40.349	24.933	7.383	79.360	24.114	16.788
	HEMBB1000317	49.311	18.053	26.189	10.490	10.102	21.107	12.632	13.384
	HEMBB1000318	87.180	33.847	208.954	43.556	23.043	27.764	9.191	17.641
	HEMBB1000332	3.892	11.256	14.087	42.331	28.145	14.132	2.408	14.319
	HEMBB1000335	27.939	30.864	21.167	28.071	12.651	30.027	12.746	21.753
	HEMBB1000336	68.463	26.023	48.843	10.608	22.871	23.654	23.868	13.927
55	HEMBB1000337	289.853	59.290	93.527	52.168	54.197	125.769	126.562	60.614

Table 41

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HEMBB1000338	54.685	45.765	123.480	44.612	17.722	26.663	17.708	29.721
HEMBB1000339	144.258	108.124	265.125	105.421	89.798	89.055	56.944	50.241
HEMBB1000341	113.271	46.622	132.906	32.751	40.166	37.986	28.017	30.881
HEMBB1000343	130.737	71.935	259.845	80.183	46.681	45.761	43.928	46.721
HEMBB1000354	202.146	151.264	495.642	157.908	153.529	142.579	67.161	105.322
HEMBB1000358	92.244	22.827	29.160	24.670	22.387	48.989	59.506	28.803
HEMBB1000369	55.720	25.874	97.758	27.483	21.576	23.750	17.278	16.569
HEMBB1000373	52.572	59.105	70.779	61.379	38.792	44.185	31.504	45.653
HEMBB1000374	153.545	115.183	389.274	108.150	98.073	80.319	58.214	75.806
HEMBB1000376	95.394	132.554	369.986	146.818	60.328	63.876	73.647	43.202
HEMBB1000383	37.023	35.429	24.954	13.017	10.381	22.638	16.842	8.781
HEMBB1000391	127.327	30.055	106.971	24.962	30.891	57.827	37.484	11.921
HEMBB1000399	35.143	10.865	22.406	8.561	4.100	8.569	2.643	8.889
HEMBB1000402	82.616	20.485	44.946	25.430	13.012	19.024	7.725	18.695
HEMBB1000404	18.903	12.568	10.300	8.593	9.455	9.301	2.672	7.956
HEMBB1000407	19.286	8.572	18.593	3.281	2.599	13.454	2.473	3.407
HEMBB1000420	95.847	66.573	138.307	54.950	39.330	56.220	37.608	43.081
HEMBB1000430	274.820	161.981	153.601	40.874	406.081	489.107	693.805	115.638
HEMBB1000434	350.936	139.481	599.497	199.198	125.426	113.500	65.776	77.687
HEMBB1000438	67.342	10.187	25.472	7.736	8.148	27.875	7.217	6.701
HEMBB1000441	84.086	98.109	312.643	78.842	60.934	76.141	46.589	35.267
HEMBB1000447	76.519	88.156	54.883	26.628	31.157	24.328	25.777	38.008
HEMBB1000449	22.367	11.282	25.245	11.267	1.700	13.053	5.731	8.109
HEMBB1000453	26.781	29.875	49.056	22.139	35.305	22.456	14.006	15.902
HEMBB1000455	37.937	43.401	129.423	29.222	40.584	24.577	21.227	20.356
HEMBB1000472	146.390	61.195	235.753	80.306	44.122	82.882	52.783	87.457
HEMBB1000480	138.135	67.904	194.466	46.367	41.944	60.409	34.897	40.785
HEMBB1000486	78.511	63.045	211.876	47.786	39.049	36.558	20.396	17.632
HEMBB1000487	21.510	22.091	29.116	10.718	21.056	15.854	13.086	10.892
HEMBB1000490	232.419	148.116	562.064	159.218	134.370	107.861	60.298	110.308
HEMBB1000491	149.070	107.169	349.100	81.342	44.330	51.147	33.633	59.342
HEMBB1000492	18.194	21.930	19.080	9.690	6.821	10.632	9.805	5.454
HEMBB1000493	286.390	34.074	64.876	31.406	23.065	49.816	39.824	39.921
HEMBB1000510	133.225	95.239	380.177	165.002	101.728	72.504	64.646	83.048
HEMBB1000516	137.574	35.610	61.963	35.305	10.932	78.851	39.905	19.224
HEMBB1000518	8.388	3.267	26.133	5.489	1.531	1.500	1.611	1.901
HEMBB1000523	153.793	88.071	329.880	82.474	43.568	69.756	32.830	51.127
HEMBB1000530	46.151	13.390	40.950	8.319	32.799	6.126	10.689	8.426
HEMBB1000542	57.808	36.831	46.332	20.306	19.414	5.489	13.314	22.747
HEMBB1000550	39.123	26.036	79.169	22.945	10.597	23.147	37.266	20.568
HEMBB1000554	192.214	105.635	349.184	148.874	90.632	98.169	55.377	100.995
HEMBB1000556	100.759	22.180	68.289	37.737	35.176	41.190	47.163	40.726
HEMBB1000564	101.412	37.686	144.386	37.463	27.344	59.939	31.447	9.452
HEMBB1000567	361.516	76.575	125.177	66.960	83.698	221.216	145.840	54.204
HEMBB1000569	63.847	46.712	54.356	18.197	23.752	36.842	31.264	39.479
HEMBB1000573	99.088	89.487	373.557	78.986	76.236	63.534	39.587	58.648
HEMBB1000575	74.071	67.726	296.427	63.469	37.530	42.388	33.544	46.151
HEMBB1000579	27.868	12.805	18.934	6.889	3.743	24.452	24.367	23.262
HEMBB1000585	30.826	34.244	65.882	26.172	19.828	26.184	16.826	33.888
HEMBB1000586	85.397	75.643	187.543	89.762	48.456	35.430	28.693	50.228
HEMBB1000589	135.404	58.619	243.853	51.181	36.284	29.883	21.561	27.997
HEMBB1000591	99.680	60.946	242.306	54.695	36.589	52.616	32.332	33.066
HEMBB1000592	30.320	18.740	34.338	11.753	8.732	28.305	13.707	12.164
HEMBB1000593	148.639	68.816	255.892	61.084	46.829	61.565	49.545	66.588
HEMBB1000595	27.140	21.001	29.869	21.272	9.199	21.841	16.487	29.680
HEMBB1000598	39.074	31.891	85.011	22.815	13.772	21.958	13.576	26.747
HEMBB1000611	14.828	6.552	11.601	7.498	7.461	15.614	9.246	9.161
HEMBB1000617	193.986	137.945	458.678	127.725	87.856	84.583	46.273	77.986
HEMBB1000623	65.566	26.480	50.777	19.193	18.923	40.974	28.571	23.219
HEMBB1000630	62.606	23.074	40.815	18.796	14.186	31.973	21.492	13.779
HEMBB1000631	61.311	41.283	27.586	23.498	24.433	38.043	48.566	22.826
HEMBB1000632	58.747	55.433	156.750	30.460	29.661	33.497	21.899	21.857
HEMBB1000636	127.885	47.562	59.456	48.965	33.643	65.366	42.350	37.349
HEMBB1000637	817.391	628.017	1645.738	524.605	482.307	443.855	191.753	265.704

Table 42

	HEMBB1000638	55.058	47.453	95.751	42.262	25.684	15.056	22.121	28.829
	HEMBB1000642	179.188	88.317	251.754	80.865	42.468	81.296	37.696	52.009
5	HEMBB1000643	43.411	25.689	113.037	18.985	11.038	14.245	8.276	18.743
	HEMBB1000649	27.852	45.202	137.371	34.816	24.496	9.967	11.881	22.322
	HEMBB1000652	84.942	61.856	126.562	78.131	42.090	36.343	22.852	31.597
	HEMBB1000655	418.308	73.377	56.858	57.166	32.733	57.424	38.897	44.477
	HEMBB1000665	16.253	13.954	10.766	20.817	6.796	13.110	7.987	4.458
	HEMBB1000668	28.587	13.435	14.606	13.788	25.844	15.049	12.549	11.202
10	HEMBB1000671	239.020	122.952	561.221	119.970	96.244	75.058	66.812	88.267
	HEMBB1000673	11.633	5.779	14.629	14.904	5.916	4.811	2.141	12.812
	HEMBB1000679	16.899	7.357	23.438	7.697	1.049	30.246	7.774	7.083
	HEMBB1000684	188.240	157.754	430.254	128.150	66.411	89.722	49.173	67.832
	HEMBB1000692	4.978	9.265	11.569	5.085	1.158	3.240	3.421	1.785
	HEMBB1000693	63.119	40.561	59.522	22.326	25.408	13.898	31.488	20.706
15	HEMBB1000705	15.560	31.798	122.757	36.451	19.928	11.568	2.839	10.179
	HEMBB1000706	22.553	13.626	23.777	8.621	11.683	41.509	10.019	7.584
	HEMBB1000709	74.737	77.864	245.726	50.833	51.093	50.427	37.955	51.357
	HEMBB1000714	23.726	10.733	6.625	12.298	6.349	9.891	2.142	14.350
	HEMBB1000725	24.239	9.575	11.437	13.761	12.596	17.372	8.105	16.144
	HEMBB1000726	86.971	84.395	208.396	65.157	43.881	37.441	22.020	39.067
20	HEMBB1000729	51.556	25.288	140.931	23.005	27.775	18.629	12.838	14.902
	HEMBB1000738	39.002	38.955	166.616	42.588	21.380	43.330	7.181	21.192
	HEMBB1000749	115.917	94.942	454.741	136.454	54.340	39.253	32.933	49.141
	HEMBB1000763	47.835	25.201	36.488	16.952	21.036	31.919	14.990	12.111
	HEMBB1000770	30.598	45.410	167.003	32.786	26.482	25.698	18.186	24.127
	HEMBB1000774	27.168	21.690	33.470	20.937	12.916	22.598	8.092	17.606
25	HEMBB1000777	246.286	57.131	58.743	31.851	40.345	119.113	81.364	53.990
	HEMBB1000781	41.945	36.620	34.149	24.543	23.561	16.383	14.371	20.775
	HEMBB1000788	10.756	10.608	5.481	6.429	2.950	5.995	4.522	4.589
	HEMBB1000789	28.490	9.620	28.151	16.088	11.640	16.477	7.916	7.672
	HEMBB1000790	74.318	56.925	185.959	63.749	33.523	24.232	24.414	28.423
	HEMBB1000794	18.080	17.254	38.876	24.306	7.427	10.338	5.445	9.305
30	HEMBB1000807	50.070	31.869	22.751	19.865	20.934	27.002	18.350	27.280
	HEMBB1000809	334.541	42.976	42.360	26.454	9.545	31.526	31.677	44.152
	HEMBB1000810	189.365	50.676	163.325	33.349	38.994	74.400	45.398	19.262
	HEMBB1000821	40.710	9.304	21.006	6.841	5.422	15.981	10.835	5.685
	HEMBB1000822	8.726	3.570	3.541	1.411	7.255	5.519	1.285	1.525
	HEMBB1000826	68.485	40.348	201.149	68.467	43.204	31.769	32.812	55.367
35	HEMBB1000827	50.671	34.326	108.391	32.945	15.076	25.813	18.713	25.457
	HEMBB1000831	38.060	20.468	29.131	12.368	19.990	20.562	25.373	6.415
	HEMBB1000835	59.181	56.345	127.358	58.150	44.350	35.831	25.687	35.108
	HEMBB1000840	117.639	63.375	340.802	61.186	48.924	38.995	20.712	30.526
	HEMBB1000848	98.938	53.024	210.423	42.569	28.984	47.603	29.642	29.431
	HEMBB1000852	1.827	2.160	0.621	2.559	1.621	1.272	1.364	1.086
40	HEMBB1000857	16.897	16.768	19.951	14.921	12.912	17.270	10.179	14.915
	HEMBB1000858	25.634	18.531	8.162	8.209	14.482	12.749	92.823	10.102
	HEMBB1000867	106.946	56.331	264.748	50.278	36.949	41.202	26.795	29.760
	HEMBB1000870	68.550	62.423	192.351	52.408	39.303	55.641	23.738	27.427
	HEMBB1000876	21.813	12.044	24.968	11.314	7.689	10.690	11.143	26.241
	HEMBB1000881	30.089	16.478	28.345	14.926	18.419	17.763	18.901	20.494
45	HEMBB1000883	11.669	10.263	26.185	6.975	2.780	8.223	2.906	3.540
	HEMBB1000887	42.638	32.274	66.780	22.979	31.512	42.842	20.622	22.566
	HEMBB1000888	20.318	8.193	11.483	5.178	4.079	8.708	6.801	4.342
	HEMBB1000890	40.795	42.287	112.076	25.031	11.171	23.116	15.491	16.447
	HEMBB1000893	38.227	10.603	68.306	24.535	14.440	12.863	9.734	17.727
	HEMBB1000900	23.814	8.709	17.013	9.267	10.928	12.199	14.106	11.108
50	HEMBB1000905	63.589	43.501	37.125	41.367	26.379	29.649	38.699	31.891
	HEMBB1000908	42.944	54.674	120.821	34.982	28.838	28.194	15.897	26.230
	HEMBB1000910	72.960	51.795	161.850	41.050	36.594	37.378	13.612	23.283
	HEMBB1000913	33.820	35.219	96.448	24.688	12.371	26.067	14.715	19.268
	HEMBB1000915	1910.513	222.611	693.345	124.825	532.993	1548.228	1159.943	223.176
	HEMBB1000917	99.638	64.212	310.142	53.316	39.091	34.989	22.324	40.667
	HEMBB1000927	80.569	11.252	19.448	8.653	21.944	24.546	17.769	17.391
55	HEMBB1000932	33.128	33.556	95.029	29.041	17.845	21.758	22.973	31.034

Table 43

	HEMB81000933	883.639	393.035	605.052	289.543	312.660	538.431	353.155	291.706
	HEMB81000936	23.212	17.243	46.380	14.205	25.527	13.908	8.530	11.716
5	HEMB81000939	105.016	36.905	52.525	19.304	30.111	35.223	41.856	37.146
	HEMB81000941	6.540	27.555	15.872	4.660	6.130	17.648	83.246	9.541
	HEMB81000947	38.384	18.020	47.143	21.361	9.565	34.299	13.482	13.269
	HEMB81000954	16.970	17.878	19.810	11.407	6.851	17.302	10.023	8.877
	HEMB81000959	22.223	21.226	78.296	22.443	5.599	10.268	10.673	12.183
	HEMB81000973	11.584	10.364	21.189	8.579	7.102	23.845	5.510	9.891
10	HEMB81000975	99.598	37.022	69.027	23.084	27.137	40.162	56.997	30.316
	HEMB81000981	10.199	12.524	23.602	20.141	5.813	6.152	13.771	4.102
	HEMB81000985	13.065	8.026	7.574	4.776	6.642	2.985	6.049	3.612
	HEMB81000991	67.124	17.092	28.053	8.864	8.560	28.394	25.072	10.907
	HEMB81000996	170.256	127.636	352.650	90.350	64.926	71.240	60.014	102.622
	HEMB81001000	48.257	19.380	16.573	15.226	10.611	14.541	7.698	9.642
15	HEMB81001004	0.797	1.839	0.439	0.000	0.000	0.318	0.000	0.000
	HEMB81001008	17.533	13.875	16.434	11.194	6.400	12.238	6.478	9.235
	HEMB81001011	39.743	19.337	28.396	15.752	15.302	17.720	15.586	16.702
	HEMB81001014	121.726	46.352	244.715	50.619	33.004	55.708	30.100	34.469
	HEMB81001020	86.065	68.022	243.352	67.763	53.522	50.406	30.247	49.844
20	HEMB81001024	66.546	59.010	205.347	41.480	31.865	35.052	21.045	39.489
	HEMB81001026	36.265	27.027	76.443	19.990	25.484	27.657	12.014	23.129
	HEMB81001037	64.392	37.810	120.090	20.652	22.459	27.294	18.918	28.917
	HEMB81001042	58.936	20.428	42.468	17.255	15.600	32.463	20.274	18.506
	HEMB81001046	76.790	22.021	40.791	13.932	17.825	47.853	26.672	30.056
	HEMB81001047	76.665	39.237	208.757	53.469	44.539	37.624	16.049	20.262
	HEMB81001048	133.028	58.176	140.515	48.390	34.614	42.111	29.526	34.858
25	HEMB81001051	22.699	8.465	13.142	9.942	10.065	9.946	5.881	8.790
	HEMB81001056	40.040	16.494	45.000	22.674	18.686	21.131	18.431	12.498
	HEMB81001058	88.873	59.116	223.822	45.122	34.696	29.783	21.562	25.222
	HEMB81001060	35.486	18.631	33.852	60.851	26.807	13.499	12.993	19.391
	HEMB81001063	53.418	36.359	125.166	33.156	24.220	19.182	16.188	14.597
	HEMB81001068	79.181	46.879	78.756	35.034	26.835	79.006	63.198	43.296
30	HEMB81001082	66.296	58.491	173.393	49.675	25.253	33.015	14.189	22.904
	HEMB81001095	64.435	31.409	20.825	17.116	14.939	41.581	21.497	13.792
	HEMB81001096	43.372	28.562	94.366	32.120	13.089	21.236	15.814	22.034
	HEMB81001101	79.652	21.131	40.775	18.757	35.350	46.263	18.855	13.874
	HEMB81001102	51.740	27.685	86.794	21.160	12.958	16.450	7.235	8.605
	HEMB81001104	61.846	33.489	28.997	14.789	10.623	20.859	15.993	10.658
35	HEMB81001106	69.199	32.868	132.855	27.292	32.605	49.984	20.779	23.761
	HEMB81001112	161.356	78.361	73.568	64.617	86.150	93.363	87.696	95.854
	HEMB81001113	114.744	130.208	298.139	107.218	73.757	61.718	32.824	66.952
	HEMB81001114	105.358	95.960	365.719	66.457	62.314	35.251	34.480	51.970
	HEMB81001115	67.274	16.815	13.190	26.838	17.638	29.948	23.803	34.239
	HEMB81001117	2.434	10.619	14.951	4.152	4.937	2.694	2.729	18.952
40	HEMB81001119	18.198	17.501	58.077	15.560	5.202	13.437	5.261	9.614
	HEMB81001126	306.301	111.345	266.365	81.302	76.905	130.782	58.863	61.487
	HEMB81001133	39.673	36.703	178.312	45.328	36.363	38.712	14.400	26.997
	HEMB81001137	53.424	19.209	46.849	14.453	13.705	30.395	18.865	15.761
	HEMB81001142	105.888	131.411	405.403	98.008	104.700	62.754	32.598	75.485
	HEMB81001145	114.864	106.329	348.161	78.364	57.587	54.983	24.738	51.568
	HEMB81001151	149.618	23.632	66.607	14.582	34.238	68.060	46.084	19.806
45	HEMB81001153	92.263	53.444	153.351	44.131	37.191	34.981	21.708	32.599
	HEMB81001158	64.416	30.844	50.578	22.880	32.523	47.046	24.553	39.658
	HEMB81001169	96.424	70.158	253.814	76.490	44.058	37.113	24.102	38.757
	HEMB81001170	34.989	7.730	32.617	5.324	4.217	11.418	7.623	5.208
	HEMB81001176	46.512	27.401	45.252	21.001	15.416	20.636	17.361	36.021
	HEMB81001177	126.389	86.212	396.633	84.357	48.470	40.910	34.438	42.680
50	HEMB81001182	70.825	30.508	45.077	19.262	28.316	32.507	25.771	26.488
	HEMB81001192	30.059	21.703	61.610	20.151	5.688	22.456	24.299	31.214
	HEMB81001199	1.469	0.000	0.000	4.430	0.797	2.148	1.260	1.223
	HEMB81001200	2.266	1.426	2.071	5.734	0.000	2.413	1.567	2.969
	HEMB81001208	111.969	37.738	122.154	28.426	28.653	55.253	32.443	21.624
	HEMB81001209	103.602	77.445	233.649	60.849	26.456	40.993	26.273	33.636
55	HEMB81001210	14.499	40.527	32.902	6.231	10.125	16.413	17.251	28.930

Table 44

	HEM881001215	219.922	83.033	126.326	63.007	71.733	115.441	61.961	72.230
	HEM881001217	63.633	22.116	41.047	17.479	20.160	53.164	31.645	18.739
5	HEM881001218	98.226	47.137	142.266	53.412	29.467	23.819	20.495	24.079
	HEM881001221	0.524	1.310	12.795	0.988	0.992	0.867	0.000	1.767
	HEM881001224	52.109	37.281	86.318	28.384	24.177	19.072	16.478	20.321
	HEM881001230	38.785	17.158	30.714	15.256	12.698	31.469	27.596	17.436
	HEM881001234	335.966	64.817	131.669	43.601	69.385	167.134	101.415	57.258
	HEM881001235	152.870	67.952	84.726	40.262	26.665	52.686	38.623	49.893
10	HEM881001237	16.971	23.623	33.663	30.744	21.161	18.495	18.264	25.643
	HEM881001242	26.787	15.776	22.922	4.200	5.187	11.277	10.621	7.589
	HEM881001244	280.439	9.589	9.743	8.128	2.116	4.366	2.735	2.871
	HEM881001249	51.892	27.766	106.010	25.983	19.890	21.254	16.838	21.642
	HEM881001253	50.869	33.773	58.857	31.656	8.253	38.144	20.639	25.942
	HEM881001254	28.109	8.716	61.080	12.779	6.376	18.461	22.558	8.559
15	HEM881001266	2.010	9.088	3.704	1.682	16.420	18.653	1.717	1.611
	HEM881001287	131.334	93.697	391.730	88.886	45.610	62.418	33.457	63.350
	HEM881001271	31.480	28.408	63.773	19.821	15.244	12.530	8.683	10.739
	HEM881001282	41.166	11.440	25.546	10.847	7.531	21.762	15.737	10.592
	HEM881001287	195.274	200.678	131.870	63.454	15.491	70.758	43.360	52.931
	HEM881001288	40.232	10.227	25.481	9.789	5.520	21.519	16.538	9.861
20	HEM881001289	84.233	74.730	246.417	61.615	31.689	36.447	24.521	38.077
	HEM881001290	57.742	13.181	11.174	33.921	23.320	24.860	82.616	16.369
	HEM881001294	80.761	23.745	72.937	16.689	20.147	45.268	37.686	22.951
	HEM881001298	58.616	17.094	44.424	13.532	14.650	31.325	32.822	12.329
	HEM881001302	87.107	24.979	56.357	23.389	20.784	37.921	28.849	21.981
	HEM881001304	12.134	0.119	5.246	19.403	1.810	3.978	2.153	1.580
25	HEM881001314	6.410	5.111	25.042	5.961	3.244	7.037	2.954	2.258
	HEM881001315	3.706	8.398	10.733	3.067	1.405	3.652	1.659	1.943
	HEM881001317	39.137	34.918	87.084	32.290	25.473	21.551	14.009	18.118
	HEM881001326	13.902	5.726	7.704	2.886	2.324	1.546	2.008	5.612
	HEM881001331	34.871	17.866	37.859	11.626	6.188	23.138	24.975	17.786
	HEM881001335	22.550	20.911	19.341	12.458	15.964	18.477	15.941	5.614
30	HEM881001337	61.645	43.894	187.675	45.250	52.185	20.178	25.750	29.233
	HEM881001338	20.634	25.030	21.230	11.541	12.874	18.490	12.601	13.466
	HEM881001344	31.209	8.322	15.710	5.412	6.749	16.517	16.482	9.869
	HEM881001346	44.149	21.512	38.191	15.415	9.432	26.936	17.706	15.965
	HEM881001348	66.624	40.319	173.356	39.887	26.835	31.783	20.641	26.670
	HEM881001350	103.603	17.400	35.832	13.555	13.837	54.503	34.694	19.925
35	HEM881001356	12.440	11.385	25.095	8.592	6.787	7.806	8.759	8.923
	HEM881001364	28.526	14.483	31.452	11.829	13.494	12.620	13.025	10.117
	HEM881001366	57.883	53.690	210.263	52.112	27.208	41.191	29.156	32.084
	HEM881001367	140.660	59.744	283.101	54.260	46.338	67.368	43.944	48.485
	HEM881001368	17.341	20.708	71.044	14.856	7.629	12.537	7.158	14.407
	HEM881001360	50.204	67.647	124.463	41.290	43.730	41.591	29.026	63.358
40	HEM881001381	19.588	19.545	34.218	14.113	18.710	9.428	10.202	13.801
	HEM881001384	17.779	11.154	26.926	11.606	19.030	10.038	7.367	14.535
	HEM881001387	20.705	16.837	19.148	9.956	8.901	15.994	7.831	13.345
	HEM881001394	21.419	19.091	32.720	17.551	19.172	11.590	12.282	11.322
	HEM881001407	39.158	17.718	75.721	24.299	17.481	17.410	20.342	15.525
	HEM881001410	18.880	3.346	6.042	2.907	2.655	0.000	2.839	2.094
45	HEM881001413	32.291	25.769	80.279	17.033	21.102	11.132	12.610	24.207
	HEM881001419	36.323	42.415	185.239	24.790	21.849	17.972	13.895	31.342
	HEM881001421	29.464	57.495	109.370	12.065	15.685	64.181	165.647	23.322
	HEM881001424	9.663	7.148	10.294	6.073	6.773	7.183	5.215	8.524
	HEM881001426	36.471	25.897	86.872	20.138	17.823	19.634	15.347	23.782
	HEM881001429	60.351	47.669	39.928	29.802	21.695	39.456	38.474	41.210
50	HEM881001438	168.445	86.814	350.902	88.825	54.546	86.724	48.813	58.527
	HEM881001443	20.733	11.137	12.445	8.769	16.707	14.531	9.581	12.477
	HEM881001449	70.239	34.064	146.511	28.311	23.391	19.979	16.080	22.377
	HEM881001454	60.851	40.766	133.878	33.168	28.709	36.541	29.720	26.623
	HEM881001458	77.938	28.808	33.472	15.970	29.260	40.965	25.268	28.079
	HEM881001461	44.192	44.580	179.531	65.974	16.217	45.935	14.669	27.974
	HEM881001463	57.949	102.937	230.980	60.751	41.957	48.857	25.233	38.517
55	HEM881001464	18.058	9.999	14.908	10.039	7.528	8.680	2.638	2.964

Table 45

	HEM881001486	31.340	22.324	20.480	15.496	3.611	15.533	10.020	13.761
	HEM881001482	12.741	4.057	9.987	4.175	4.887	24.039	4.114	4.470
5	HEM881001500	26.823	21.417	65.107	17.492	9.195	12.958	6.167	14.603
	HEM881001505	116.783	105.297	302.199	104.682	36.419	54.346	38.027	46.591
	HEM881001521	55.379	38.602	133.188	25.792	20.204	23.504	18.628	22.786
	HEM881001527	331.186	160.160	252.225	131.308	116.694	178.333	72.732	79.869
	HEM881001530	24.722	25.693	57.090	19.457	7.662	20.875	31.031	23.503
	HEM881001531	43.913	51.679	130.225	34.674	21.061	27.704	18.966	32.578
10	HEM881001532	6.957	3.901	34.322	7.593	1.875	8.172	300.808	7.501
	HEM881001535	71.654	59.202	131.794	46.369	28.936	34.644	21.690	23.017
	HEM881001536	73.109	48.204	106.813	35.175	18.411	22.356	19.126	20.785
	HEM881001537	40.809	54.756	140.043	43.830	21.583	31.273	8.692	29.500
	HEM881001542	79.436	33.152	94.294	34.360	26.100	44.300	19.679	22.657
	HEM881001543	55.819	14.588	8.417	4.239	7.702	20.740	11.834	18.032
15	HEM881001547	10.746	8.433	12.415	9.202	10.101	15.047	10.631	8.198
	HEM881001548	163.125	42.223	39.134	33.781	26.421	115.789	76.174	67.211
	HEM881001551	32.248	10.176	8.937	9.728	20.037	69.247	7078.074	11.439
	HEM881001555	62.998	58.959	166.842	57.865	40.731	30.981	17.189	40.721
	HEM881001562	67.088	35.544	83.929	24.475	18.852	28.472	27.682	23.295
20	HEM881001564	139.467	320.422	580.390	304.052	124.857	300.720	202.502	439.361
	HEM881001565	58.749	43.545	123.727	39.891	29.530	30.029	17.527	28.501
	HEM881001569	34.482	26.904	100.487	28.883	16.462	19.020	8.403	16.605
	HEM881001573	48.940	40.308	65.598	41.979	32.247	35.238	25.583	36.979
	HEM881001585	153.364	57.831	211.685	61.076	40.832	38.446	18.915	42.636
	HEM881001586	44.946	40.343	113.224	34.426	18.386	24.673	16.535	26.124
	HEM881001588	157.947	130.811	402.650	111.293	69.831	80.240	46.050	75.499
25	HEM881001595	12.602	11.160	44.464	13.949	6.811	11.538	4.359	11.569
	HEM881001596	53.986	20.798	38.629	25.473	20.578	32.621	23.309	36.564
	HEM881001599	29.275	7.352	13.267	11.568	5.279	15.756	10.260	5.135
	HEM881001603	3.581	2.642	7.782	4.279	3.051	0.341	1.424	3.160
	HEM881001606	6.897	7.220	7.226	7.657	3.104	5.383	5.658	4.364
	HEM881001612	101.576	58.128	240.469	58.770	36.287	42.917	27.221	40.063
30	HEM881001618	52.604	38.648	141.745	37.723	24.274	24.922	17.197	24.223
	HEM881001619	59.431	78.268	138.545	63.285	52.275	37.035	22.185	38.081
	HEM881001623	33.128	8.489	11.122	6.318	8.326	16.007	3.331	7.918
	HEM881001625	10.068	16.076	8.496	7.577	2.293	8.389	1.716	4.647
	HEM881001630	7.144	5.464	31.186	8.383	3.256	11.196	3.053	5.942
	HEM881001635	18.151	8.186	33.138	13.501	9.143	9.688	44.037	8.859
35	HEM881001637	40.224	35.174	58.964	24.082	26.640	26.340	20.792	26.243
	HEM881001641	21.655	10.768	33.553	9.122	5.845	7.210	5.796	8.300
	HEM881001653	76.468	45.984	138.114	33.606	30.023	33.136	16.720	25.949
	HEM881001665	3.000	0.352	5.654	0.275	0.718	0.106	0.899	0.407
	HEM881001666	48.027	23.276	59.669	22.201	9.196	20.512	10.659	15.687
	HEM881001667	2.570	7.909	3.107	5.847	8.690	2.748	1.939	8.738
40	HEM881001668	2.545	8.886	13.392	8.498	18.131	3.355	1.631	3.032
	HEM881001669	5.751	5.364	10.395	3.219	4.970	5.110	4.341	2.139
	HEM881001670	17.795	10.903	34.891	20.715	11.725	22.401	12.909	20.514
	HEM881001673	69.924	44.194	58.806	53.036	21.640	40.433	25.038	49.339
	HEM881001675	58.961	13.650	21.648	10.914	9.356	22.270	15.894	11.977
	HEM881001679	51.245	9.166	29.461	6.718	11.101	24.642	13.266	4.383
45	HEM881001684	27.854	11.218	30.139	14.666	11.546	25.422	15.072	13.683
	HEM881001686	9.626	8.721	34.446	7.134	4.659	1.316	3.180	6.172
	HEM881001695	2.706	4.723	4.741	1.182	8.059	1.109	1.036	1.119
	HEM881001703	116.774	37.756	115.693	36.901	34.790	69.383	44.901	43.576
	HEM881001704	67.385	52.606	211.228	52.452	40.406	43.432	33.952	54.662
	HEM881001706	122.282	70.476	227.746	77.627	63.608	53.010	38.740	56.789
50	HEM881001707	111.416	69.815	154.286	51.656	60.773	50.260	33.306	43.746
	HEM881001717	14.112	16.260	60.454	10.609	5.688	9.921	4.816	8.073
	HEM881001731	29.550	36.222	21.992	33.872	22.551	36.654	37.976	32.089
	HEM881001734	75.818	39.477	107.419	26.507	15.856	20.715	17.010	17.320
	HEM881001735	63.245	22.136	169.823	34.289	26.478	18.371	17.292	27.924
	HEM881001736	20.722	18.061	27.944	17.598	12.534	9.551	10.504	13.178
	HEM881001747	21.158	15.281	18.501	9.967	9.806	11.088	17.268	12.572
55	HEM881001749	89.421	90.342	429.206	126.585	53.728	56.733	28.560	64.487

Table 46

	HEM881001753	85.135	63.020	101.881	44.766	60.100	46.138	48.988	44.990
	HEM881001754	86.556	37.048	83.531	33.276	42.763	54.273	32.005	30.821
5	HEM881001757	1.981	3.522	5.232	3.590	1.394	7.486	3.256	3.014
	HEM881001760	13.573	14.554	27.053	7.204	5.280	8.129	5.242	4.088
	HEM881001762	26.210	15.945	24.826	8.467	6.461	26.934	6.893	9.656
	HEM881001780	18.738	33.363	27.562	17.311	13.893	4.277	14.584	19.429
	HEM881001785	3.266	2.954	7.974	3.522	3.900	7.429	3.964	4.008
	HEM881001788	77.710	51.716	232.298	72.096	40.555	41.418	29.586	33.423
10	HEM881001793	221.348	29.215	45.528	20.500	22.918	33.927	36.095	25.245
	HEM881001797	4.049	9.015	10.442	4.015	2.532	8.773	2.904	6.333
	HEM881001802	430.563	24.213	34.832	14.183	17.392	26.448	23.001	29.744
	HEM881001812	91.804	71.389	218.174	56.457	56.645	54.459	15.772	55.255
	HEM881001815	506.853	426.652	275.995	120.005	129.468	289.852	148.011	122.368
	HEM881001816	90.656	55.478	178.334	52.637	25.170	45.331	35.194	47.899
15	HEM881001831	22.874	14.551	46.474	16.825	9.329	19.975	9.745	18.634
	HEM881001834	456.615	299.793	406.927	241.146	284.283	499.103	267.485	306.611
	HEM881001836	138.292	91.469	348.309	101.544	73.058	67.103	40.539	76.261
	HEM881001839	9.720	6.600	7.318	0.000	2.606	4.296	2.217	2.738
	HEM881001841	345.524	134.230	67.049	25.938	60.560	21.530	21.177	18.486
	HEM881001844	61.041	25.820	34.819	14.237	14.648	34.333	20.655	31.102
20	HEM881001847	126.241	111.341	239.722	147.873	65.849	86.164	47.980	108.378
	HEM881001848	40.802	39.856	24.837	12.646	9.727	18.893	18.093	17.754
	HEM881001850	171.151	101.141	118.680	33.622	64.050	118.364	50.599	75.857
	HEM881001859	133.676	77.853	231.163	65.024	41.660	123.173	103.961	48.696
	HEM881001863	115.353	92.421	256.141	83.601	85.833	53.693	30.832	49.888
	HEM881001867	15.427	15.822	8.336	10.061	4.673	8.415	6.299	9.816
25	HEM881001868	24.470	17.457	24.238	7.996	8.810	8.133	10.520	11.923
	HEM881001869	82.894	76.711	234.322	61.007	44.801	45.547	29.853	39.008
	HEM881001872	15.921	7.288	5.998	10.151	2.561	5.674	9.542	5.964
	HEM881001874	36.336	11.065	22.113	15.221	9.515	14.138	6.058	5.891
	HEM881001875	7.615	19.234	13.755	26.314	11.646	3.662	5.863	7.228
	HEM881001880	107.638	82.806	115.014	59.163	39.712	47.440	27.454	37.214
30	HEM881001899	15.785	11.630	15.181	7.571	2.259	12.203	4.190	3.366
	HEM881001903	59.215	24.149	27.564	15.205	8.601	28.805	15.592	15.765
	HEM881001906	29.932	24.402	20.256	15.117	8.559	17.138	12.021	12.009
	HEM881001906	15.456	13.077	51.260	10.147	16.547	10.906	7.943	9.129
	HEM881001908	35.095	32.316	100.465	26.514	24.742	20.649	8.759	14.223
	HEM881001910	67.419	35.922	139.126	58.266	43.100	26.178	19.330	29.710
35	HEM881001911	50.456	46.682	196.311	58.337	31.782	35.278	19.934	32.009
	HEM881001915	40.796	27.017	19.351	20.885	15.345	12.662	9.798	36.052
	HEM881001921	95.398	115.190	314.157	85.049	59.840	59.397	36.034	60.585
	HEM881001922	54.587	37.299	107.814	29.796	15.712	23.741	15.662	16.568
	HEM881001925	35.478	39.156	106.631	23.241	15.055	16.405	13.936	15.471
	HEM881001930	9.272	7.467	11.545	7.045	3.402	5.636	2.969	5.808
40	HEM881001944	122.259	83.163	268.572	86.582	66.995	51.236	27.262	45.542
	HEM881001945	55.555	20.668	28.702	7.169	21.076	24.208	18.042	10.472
	HEM881001947	47.254	12.987	21.887	16.223	6.133	25.673	16.697	13.440
	HEM881001950	99.345	31.711	42.202	32.724	17.168	68.211	28.763	30.429
	HEM881001952	67.117	40.169	164.691	38.168	16.287	31.103	11.276	24.511
	HEM881001953	56.049	47.572	147.635	34.659	22.662	21.660	13.445	22.280
	HEM881001957	43.669	20.350	106.261	26.369	16.837	16.589	5.199	12.837
45	HEM881001959	26.731	45.573	72.402	48.003	21.477	24.564	17.194	36.361
	HEM881001962	59.585	38.413	125.747	48.471	52.786	46.598	20.834	29.320
	HEM881001967	156.252	96.306	460.639	121.361	89.090	70.066	46.606	68.839
	HEM881001973	62.418	55.111	203.953	61.777	40.564	39.531	24.193	43.482
	HEM881001978	205.611	67.998	184.804	55.506	42.195	56.711	62.043	55.171
	HEM881001983	115.219	97.908	189.950	79.417	69.496	62.957	41.995	65.291
50	HEM881001987	23.094	30.009	63.743	16.838	10.970	10.414	5.543	10.645
	HEM881001988	26.549	17.876	71.399	12.651	11.631	11.873	6.563	10.248
	HEM881001990	61.049	28.808	125.791	31.477	30.752	26.525	9.894	24.366
	HEM881001996	40.435	12.303	17.096	14.159	3.837	18.573	11.696	13.433
	HEM881001997	91.453	62.313	247.838	64.724	40.131	29.522	27.492	42.942
	HEM881001999	28.583	9.839	33.748	34.520	11.455	23.048	14.798	25.158
55	HEM881002002	19.354	10.115	14.415	9.527	16.781	12.044	7.088	14.724

Table 47

	HEMB81002005	127.202	87.407	314.185	82.406	66.505	55.577	40.792	64.185
	HEMB81002009	0.000	1.364	22.770	0.807	4.369	1.295	0.000	0.000
5	HEMB81002013	28.258	13.676	16.813	10.399	10.765	17.046	7.782	9.691
	HEMB81002016	105.576	48.524	66.937	36.377	38.220	74.637	28.221	34.621
	HEMB81002024	216.724	27.841	16.159	12.961	10.268	16.725	13.378	30.580
	HEMB81002035	46.139	20.267	93.090	25.830	19.155	14.290	9.089	10.861
	HEMB81002039	56.819	33.510	91.779	23.686	12.816	13.451	13.710	16.666
	HEMB81002041	64.639	34.426	51.061	22.611	27.241	31.364	25.209	28.240
10	HEMB81002042	108.989	70.262	244.087	61.596	54.097	58.195	45.407	53.478
	HEMB81002043	45.022	36.752	179.777	48.242	21.779	25.603	30.919	28.446
	HEMB81002044	13.181	2.012	5.797	1.053	1.982	1.313	3.432	2.045
	HEMB81002045	289.530	197.322	441.790	143.182	150.349	206.083	108.290	118.515
	HEMB81002049	35.193	24.481	83.015	26.999	19.710	27.535	16.278	24.921
	HEMB81002050	37.095	16.954	49.110	12.868	13.580	16.690	9.422	14.540
15	HEMB81002051	36.389	19.655	68.218	18.665	8.800	22.352	16.403	17.616
	HEMB81002068	75.935	30.174	53.312	27.588	23.758	28.553	40.522	36.664
	HEMB81002069	213.038	176.212	471.114	127.141	113.252	145.813	82.555	84.929
	HEMB81002075	42.631	31.316	161.071	28.782	21.239	25.996	13.087	18.589
	HEMB81002079	16.958	10.592	15.974	7.658	4.913	11.054	12.406	9.170
	HEMB81002080	43.775	32.579	72.576	24.001	8.827	28.608	17.214	17.433
20	HEMB81002082	26.775	8.257	21.193	4.448	6.280	19.090	464.903	8.346
	HEMB81002084	17.127	6.840	43.925	4.043	9.757	26.316	9.627	6.512
	HEMB81002088	90.318	38.977	65.816	40.755	47.974	81.367	57.452	75.281
	HEMB81002092	192.949	59.522	268.965	49.978	47.797	60.595	48.524	38.088
	HEMB81002094	127.875	84.707	379.671	89.066	80.779	70.636	38.807	57.037
	HEMB81002103	29.830	9.307	18.867	12.419	117.011	11.825	10.555	6.133
25	HEMB81002109	28.380	23.579	104.568	24.307	17.018	17.089	11.301	21.844
	HEMB81002115	71.073	86.440	117.523	95.976	28.307	85.908	60.445	114.378
	HEMB81002120	16.393	10.090	4.147	2.085	3.568	9.594	4.954	4.539
	HEMB81002121	12.050	2.757	6.522	1.146	2.007	0.000	1.999	1.549
	HEMB81002134	784.781	365.377	605.805	262.168	223.204	719.592	534.370	450.949
	HEMB81002136	109.220	32.405	75.010	27.402	26.278	36.231	38.283	23.693
30	HEMB81002138	17.812	14.057	17.210	7.413	9.287	10.613	20.319	9.644
	HEMB81002139	51.267	37.549	168.617	27.467	17.855	27.091	16.428	23.177
	HEMB81002141	82.369	29.424	54.387	14.566	15.214	39.768	33.139	22.856
	HEMB81002142	70.553	42.309	156.252	36.636	14.797	26.769	15.277	22.894
	HEMB81002145	40.661	16.263	15.725	8.229	13.984	21.757	14.873	15.525
	HEMB81002152	46.728	36.893	105.608	65.422	40.064	25.225	29.211	42.935
35	HEMB81002162	40.153	34.068	96.274	29.709	19.847	47.860	22.055	40.550
	HEMB81002173	53.191	41.151	147.055	26.912	34.538	16.431	18.449	25.327
	HEMB81002189	73.400	88.057	211.287	73.810	54.029	46.682	45.749	55.885
	HEMB81002190	33.242	51.561	233.972	49.809	19.665	27.376	13.129	61.389
	HEMB81002193	69.174	22.324	33.672	10.803	18.423	27.938	24.748	16.109
	HEMB81002217	50.175	37.602	98.092	38.769	24.723	33.043	18.735	39.436
40	HEMB81002218	596.902	272.867	712.867	191.461	186.314	373.711	195.571	197.556
	HEMB81002228	88.583	45.763	205.932	47.852	46.693	41.923	37.485	53.876
	HEMB81002232	56.752	32.790	128.643	36.535	28.693	32.710	31.447	41.840
	HEMB81002245	31.084	9.332	17.943	11.049	11.834	11.864	17.012	14.199
	HEMB81002247	151.502	27.325	64.167	10.018	26.829	62.501	35.734	21.698
	HEMB81002249	153.327	94.814	380.989	101.573	65.579	80.049	62.653	85.673
	HEMB81002254	43.885	36.756	118.582	29.328	19.323	11.675	12.693	22.229
45	HEMB81002265	8.833	2.293	14.174	8.771	1.813	2.385	3.358	3.589
	HEMB81002266	5.303	5.716	8.530	6.222	1.842	2.404	4.411	2.295
	HEMB81002271	160.682	46.654	157.828	58.291	63.843	72.813	62.659	73.702
	HEMB81002280	24.597	13.246	76.763	13.976	7.742	9.196	9.200	16.479
	HEMB81002296	67.004	21.270	52.536	34.388	49.938	53.045	123.030	41.218
	HEMB81002300	94.815	28.682	50.102	35.939	13.923	29.792	25.246	21.629
50	HEMB81002302	51.059	31.157	28.441	17.568	17.905	26.026	22.516	30.501
	HEMB81002306	35.213	49.812	33.017	23.300	15.072	17.296	14.490	16.293
	HEMB81002316	19.773	8.638	19.354	3.667	9.274	9.974	8.613	6.883
	HEMB81002326	201.896	126.797	406.052	154.628	89.356	85.970	54.052	98.198
	HEMB81002327	85.792	48.221	184.126	47.724	32.764	29.959	17.415	34.542
	HEMB81002329	69.191	21.714	43.746	26.618	17.775	24.892	32.481	27.906
55	HEMB81002340	18.233	28.482	7.730	3.702	3.055	4.522	2.914	5.745

Table 48

	MEMB1002342	74.746	83.579	169.482	40.919	23.495	26.453	33.215	66.420
	MEMB1002358	149.857	132.962	286.214	85.160	50.855	67.646	36.624	78.432
5	MEMB1002359	160.804	77.260	219.199	68.995	44.093	58.049	35.955	51.139
	MEMB1002364	102.885	74.409	188.270	50.973	55.276	45.770	40.780	59.739
	MEMB1002366	152.074	77.016	248.465	68.268	81.100	64.637	39.912	60.303
	MEMB1002371	44.433	12.342	26.565	13.307	36.600	10.553	9.238	5.351
	MEMB1002381	134.427	77.953	207.310	57.210	48.215	64.049	51.493	77.629
	MEMB1002383	164.205	52.312	94.064	31.346	31.368	30.947	43.038	47.840
10	MEMB1002387	196.859	164.904	235.139	49.485	25.102	93.004	52.536	43.092
	MEMB1002409	82.986	49.978	112.097	29.207	15.402	37.667	36.064	38.132
	MEMB1002413	123.367	87.690	361.106	87.505	57.485	48.097	23.254	49.302
	MEMB1002415	87.091	31.703	92.595	31.804	23.352	27.293	21.815	24.444
	MEMB1002424	13.162	19.511	15.995	5.848	21.533	16.980	18.246	25.253
	MEMB1002425	84.086	69.689	238.147	82.198	36.928	41.171	26.823	47.957
15	MEMB1002427	143.727	26.894	50.430	25.865	40.707	52.937	38.610	47.517
	MEMB1002442	163.853	121.153	501.168	129.909	73.231	81.033	47.108	287.238
	MEMB1002447	107.214	80.007	214.338	58.963	41.313	60.452	49.159	44.523
	MEMB1002453	163.250	93.442	384.443	93.027	68.808	58.565	46.254	58.810
	MEMB1002457	116.756	104.520	330.657	83.026	46.720	50.971	38.415	57.991
	MEMB1002458	18.721	11.278	23.232	9.587	7.205	6.051	4.659	4.343
20	MEMB1002463	229.657	146.001	663.683	193.622	138.458	104.827	52.827	110.558
	MEMB1002465	44.210	23.316	33.631	20.895	17.932	26.471	19.122	19.703
	MEMB1002477	98.948	27.813	153.875	11.062	36.071	16.072	13.791	8.347
	MEMB1002479	23.249	59.003	73.224	14.014	10.084	13.246	1.980	8.949
	MEMB1002489	78.748	24.690	71.038	31.400	39.869	43.673	44.800	75.957
	MEMB1002492	9.080	6.989	26.130	3.092	1.453	5.606	1.415	2.381
25	MEMB1002495	95.752	104.949	301.328	60.728	72.404	45.161	24.771	61.121
	MEMB1002502	17.132	17.866	14.643	16.170	15.224	14.056	4.504	23.313
	MEMB1002509	0.913	2.235	7.269	4.304	0.743	1.283	1.504	6.154
	MEMB1002510	0.732	0.000	0.000	1.858	0.926	0.000	0.000	0.000
30	MEMB1002520	249.875	127.604	585.470	169.423	138.712	90.360	100.598	112.828
	MEMB1002522	24.741	27.480	12.342	14.142	17.452	5.861	8.292	8.541
	MEMB1002527	63.012	61.066	87.388	46.392	29.555	37.187	25.642	36.089
	MEMB1002530	72.655	45.682	83.329	21.750	21.479	53.227	440.333	38.710
	MEMB1002531	40.398	18.832	10.308	9.953	5.539	16.743	11.880	8.115
	MEMB1002534	78.552	49.139	154.741	66.211	30.154	46.591	28.712	37.112
	MEMB1002536	27.609	22.843	52.264	17.646	8.234	13.078	23.458	15.919
	MEMB1002544	24.012	6.185	27.814	13.117	39.363	15.921	9.427	14.017
35	MEMB1002545	108.234	31.929	243.949	50.972	16.032	40.343	31.828	13.472
	MEMB1002550	31.850	11.452	10.668	11.228	11.049	10.100	14.262	14.910
	MEMB1002556	125.621	89.607	311.607	79.974	50.209	57.837	53.696	54.119
	MEMB1002571	33.047	21.526	54.457	14.847	25.892	21.861	5.482	18.608
	MEMB1002579	75.252	55.132	229.479	48.891	31.521	43.266	24.667	31.554
	MEMB1002582	100.572	56.574	258.453	63.093	45.740	39.580	26.474	45.912
40	MEMB1002584	8.325	7.614	13.574	6.883	1.796	7.655	6.188	4.955
	MEMB1002587	57.430	44.383	60.900	47.981	30.048	30.562	19.161	20.854
	MEMB1002590	114.241	78.587	179.926	65.737	28.629	43.657	33.101	34.032
	MEMB1002596	278.617	90.944	275.018	69.006	68.247	114.505	88.149	59.750
	MEMB1002600	17.618	16.003	23.907	4.699	9.726	10.133	7.945	8.940
	MEMB1002601	67.910	48.188	183.948	45.346	38.021	37.423	21.860	33.698
	MEMB1002603	69.793	43.222	141.343	36.733	28.849	35.264	22.033	29.438
45	MEMB1002607	64.941	36.284	134.598	39.424	22.220	31.501	15.676	31.024
	MEMB1002610	22.852	9.200	51.294	16.832	6.664	12.856	6.433	6.515
	MEMB1002613	85.026	60.872	161.891	47.532	36.559	44.841	24.569	31.062
	MEMB1002614	65.074	30.721	39.687	10.970	15.910	13.297	10.461	5.438
	MEMB1002615	230.370	55.581	35.517	11.758	7.258	46.064	22.857	86.789
	MEMB1002617	69.016	67.288	254.296	42.530	30.217	36.395	21.284	37.688
50	MEMB1002623	92.506	78.124	204.116	60.739	20.110	48.078	32.253	43.355
	MEMB1002624	77.755	27.026	163.976	33.209	25.309	20.104	21.741	24.486
	MEMB1002631	10.297	18.892	12.879	14.916	7.219	5.864	6.990	11.537
	MEMB1002636	84.049	68.172	141.149	41.853	40.290	23.649	21.781	44.425
	MEMB1002644	98.956	65.380	26.659	19.268	9.200	38.890	35.668	29.597
	MEMB1002654	127.571	78.659	51.653	28.747	32.125	137.732	315.048	39.477
55	MEMB1002661	106.501	46.651	47.116	19.470	20.684	30.561	24.281	118.028

Table 49

HEMBB1002663	100.783	42.600	100.008	36.841	24.382	35.028	41.975	18.150
HEMBB1002664	179.828	131.008	395.057	51.235	74.731	89.130	40.814	55.262
HEMBB1002677	2.206	3.466	5.138	4.981	2.314	4.033	3.301	1.422
HEMBB1002683	118.247	69.327	247.117	55.886	44.381	26.944	27.017	42.278
HEMBB1002684	40.291	21.056	46.317	17.772	9.039	5.460	8.120	14.377
HEMBB1002686	30.893	12.882	26.031	19.059	3.146	12.807	18.055	9.131
HEMBB1002692	48.969	24.335	52.440	29.779	19.960	25.893	38.755	15.268
HEMBB1002693	129.760	76.886	322.740	70.620	62.314	67.760	73.429	39.005
HEMBB1002697	41.673	38.793	25.105	8.999	2.058	7.613	10.268	29.797
HEMBB1002699	223.756	165.884	369.080	116.529	77.378	109.419	79.393	99.532
HEMBB1002702	13.506	15.782	24.367	3.561	6.434	15.699	13.253	24.814
HEMBB1002705	29.934	20.276	16.478	21.230	7.599	11.487	18.202	30.589
HEMBB1002712	29.588	10.805	47.572	15.673	13.434	15.691	7.559	16.536
IMR321000028	77.081	39.937	40.934	18.725	8.281	41.195	27.733	21.472
IMR321000031	50.844	21.357	34.754	22.184	15.786	31.242	22.705	14.148
IMR321000034	76.518	63.230	37.290	51.243	23.808	43.858	26.605	67.455
IMR321000039	66.895	68.027	83.136	36.653	27.339	62.232	57.760	88.100
IMR321000044	1.614	0.000	0.000	0.000	0.000	0.000	1.970	0.000
IMR321000063	131.633	84.822	66.498	84.753	43.262	73.363	69.831	80.878
IMR321000085	157.704	34.180	42.747	11.752	50.768	66.106	54.160	47.424
IMR321000088	52.645	22.980	31.408	17.365	13.731	36.296	27.222	10.181
IMR321000091	39.993	32.664	43.895	41.311	25.143	35.002	20.444	63.906
LIVERT000004	45.674	30.112	69.445	16.874	11.073	28.505	108.044	24.660
LIVERT000008	23.703	14.444	22.304	9.381	15.657	274.776	344.333	11.282
LIVERT000011	107.957	31.187	106.032	30.434	41.030	41.256	348.474	63.939
LIVERT000022	402.839	177.843	270.232	82.143	125.292	208.780	141.934	124.260
LIVERT000025	61.584	42.776	172.307	36.300	26.856	33.045	34.820	42.189
LIVERT000030	62.987	24.034	69.275	29.784	17.581	22.393	51.178	22.556
LIVERT000045	27.941	4.859	27.468	7.384	9.755	14.426	20.651	24.802
LIVERT000046	180.297	117.998	24.240	23.527	16.373	7.466	27.795	66.724
LIVERT000072	24.097	35.964	6.976	11.158	7.657	8.260	16.555	4.898
LIVERT000077	90.518	39.165	17.306	13.193	25.835	52.139	348.056	37.506
LIVERT000080	17.084	4.918	5.980	9.600	2.294	5.176	6.495	4.479
LIVERT000086	82.711	55.169	150.708	18.858	19.278	176.018	481.085	27.747
LIVERT000092	61.883	36.836	116.592	27.330	16.805	25.266	35.863	24.160
LIVERT000095	54.562	13.959	104.146	23.878	13.158	200.163	137.395	5.508
LIVERT000097	138.286	11.401	12.265	8.127	9.389	9.669	32.751	7.159
LIVERT000098	58.055	39.291	47.410	18.991	19.124	20.338	142.508	19.104
LIVERT000100	81.693	64.546	94.504	29.185	18.588	42.254	23.727	58.633
LIVERT000101	52.507	16.303	57.500	10.286	8.662	17.642	6.129	27.273
LIVERT000106	46.259	32.121	32.438	11.568	9.377	13.216	102.128	16.904
LIVERT000108	26.277	50.568	62.172	25.422	16.619	17.243	38.359	18.508
LIVERT000115	23.571	18.673	71.367	14.244	11.023	17.910	427.626	11.136
LIVERT000120	100.902	21.640	35.183	16.565	26.236	39.037	87.151	16.248
LIVERT000138	69.624	27.584	56.479	22.794	25.076	42.015	35.937	23.833
LIVERT000146	107.757	63.296	209.735	54.534	42.231	45.210	254.168	42.466
LIVERT000148	141.467	42.327	108.510	37.031	31.920	62.584	125.466	65.728
LIVERT000187	97.282	37.198	50.979	49.952	35.021	43.954	52.527	43.221
LIVERT000161	100.902	24.883	57.647	28.329	31.562	42.781	89.198	30.740
LIVERT000167	97.214	29.093	41.460	25.700	26.316	112.706	332.789	30.702
LIVERT000174	53.827	23.440	26.353	13.595	12.625	36.580	71.460	10.512
LIVERT000186	49.746	20.428	31.630	13.964	13.391	16.773	16.676	14.878
LIVERT000187	38.332	8.211	15.200	4.654	8.084	9.846	567.808	8.320
LIVERT000190	93.672	29.635	50.518	15.812	18.788	23.709	41.865	11.496
LIVERT000192	141.875	53.337	99.330	32.936	41.210	79.500	128.608	47.907
MAHMA1000009	99.036	77.266	234.005	72.924	40.612	44.930	25.218	35.909
MAHMA1000015	40.458	7.192	19.901	13.017	12.921	18.315	13.014	8.185
MAHMA1000018	62.999	29.927	150.049	62.037	36.450	42.958	38.148	30.172
MAHMA1000020	58.696	30.055	181.093	40.615	38.572	34.176	18.169	20.807
MAHMA1000024	15.610	5.088	15.411	7.263	3.468	11.662	37.960	9.224
MAHMA1000025	53.706	37.358	123.944	37.766	29.177	24.650	18.530	21.156
MAHMA1000043	170.220	108.774	290.077	126.472	100.059	82.087	70.843	76.243
MAHMA1000045	83.118	48.873	22.107	10.125	5.779	15.440	7.895	8.811
MAHMA1000046	117.084	44.858	285.890	66.458	43.862	36.388	23.428	22.376

Table 50

	MAMMA1000055	65.118	40.884	57.307	29.859	27.445	33.405	22.066	23.563
	MAMMA1000057	170.331	108.479	421.160	100.366	84.331	77.475	42.047	55.847
5	MAMMA1000060	79.698	50.265	153.319	49.223	28.927	42.539	25.636	52.458
	MAMMA1000069	118.921	35.010	182.272	48.764	43.720	61.342	45.357	33.115
	MAMMA1000084	128.354	92.819	277.404	87.542	63.176	65.262	34.266	45.092
	MAMMA1000085	40.199	20.019	40.608	21.956	13.181	18.822	36.347	26.209
	MAMMA1000092	77.338	37.915	167.474	43.988	16.101	26.961	15.531	22.390
	MAMMA1000096	55.344	38.495	38.888	25.605	11.893	44.990	24.784	25.160
10	MAMMA1000097	62.546	54.694	52.522	52.269	24.807	65.730	25.787	23.298
	MAMMA1000102	67.585	32.797	91.551	31.689	19.430	26.892	22.353	16.842
	MAMMA1000103	63.752	26.301	89.530	30.004	12.188	31.709	11.461	14.718
	MAMMA1000106	37.916	23.228	90.795	22.075	14.445	24.686	16.649	17.569
	MAMMA1000117	58.533	24.502	43.190	22.445	16.140	27.418	15.487	13.269
	MAMMA1000118	104.168	58.433	63.822	8.833	24.039	42.731	38.062	43.242
15	MAMMA1000129	170.665	72.256	98.813	45.970	22.181	58.739	50.197	14.587
	MAMMA1000133	62.435	25.090	33.061	20.713	14.310	34.686	18.642	14.101
	MAMMA1000134	106.522	79.090	246.344	90.530	127.758	76.596	45.325	60.360
	MAMMA1000139	78.566	47.362	99.179	34.535	22.772	37.601	28.841	28.280
	MAMMA1000141	30.121	20.528	28.150	13.910	5.510	14.314	12.120	15.748
	MAMMA1000143	16.647	8.669	41.797	8.690	9.949	10.059	4.040	8.280
20	MAMMA1000150	128.128	259.413	21.844	28.777	86.623	42.827	51.840	42.986
	MAMMA1000155	205.031	88.642	291.247	110.884	80.817	97.755	63.045	78.585
	MAMMA1000163	43.643	36.898	57.239	22.848	21.852	41.672	11.036	10.618
	MAMMA1000171	141.225	46.928	265.746	98.189	60.007	66.037	34.872	50.109
	MAMMA1000173	103.027	21.955	68.080	33.572	25.668	45.271	40.340	52.609
	MAMMA1000176	19.316	8.683	7.960	4.550	3.535	7.894	5.974	4.015
	MAMMA1000183	57.490	35.830	148.702	42.892	23.250	23.680	21.050	46.992
25	MAMMA1000191	88.722	31.449	40.834	26.064	22.392	26.766	36.253	27.729
	MAMMA1000192	53.467	25.096	30.205	28.380	21.976	101.288	128.339	44.025
	MAMMA1000193	83.936	36.823	36.836	29.409	18.905	35.131	35.059	36.667
	MAMMA1000198	132.127	93.550	347.292	70.840	49.278	62.924	38.858	68.720
	MAMMA1000204	64.455	59.079	71.789	26.771	29.275	55.156	62.132	49.295
	MAMMA1000207	45.771	62.052	52.332	19.986	16.418	37.618	225.196	18.506
30	MAMMA1000214	100.292	62.311	289.223	62.541	32.825	57.748	32.755	39.770
	MAMMA1000220	91.389	23.816	43.034	13.919	12.649	42.421	29.143	20.494
	MAMMA1000221	39.338	35.655	11.931	39.315	9.426	18.802	27.741	17.121
	MAMMA1000228	65.096	20.174	11.901	11.838	17.236	23.487	43.016	24.801
	MAMMA1000227	94.333	64.156	183.365	82.763	58.478	66.811	43.961	53.250
35	MAMMA1000230	116.378	47.908	97.869	47.218	38.196	56.380	71.726	37.727
	MAMMA1000241	53.737	85.177	107.748	60.815	31.230	51.839	36.525	22.770
	MAMMA1000245	107.413	148.468	205.437	144.478	51.682	86.017	93.183	198.398
	MAMMA1000248	205.478	88.411	342.827	76.468	51.702	110.723	70.650	60.978
	MAMMA1000251	115.401	47.888	209.360	39.959	42.597	57.904	34.572	51.016
	MAMMA1000254	43.161	20.910	114.081	20.548	9.699	9.885	5.348	32.024
	MAMMA1000257	142.781	70.118	332.822	104.425	84.387	124.673	78.270	116.103
40	MAMMA1000262	18.952	34.301	19.786	32.516	14.840	15.513	23.805	35.519
	MAMMA1000264	59.532	20.630	124.043	44.847	29.466	21.390	22.616	37.039
	MAMMA1000266	55.476	28.959	122.654	35.663	27.018	24.021	20.212	38.284
	MAMMA1000270	142.968	64.234	270.948	75.022	64.760	68.130	64.006	73.994
	MAMMA1000271	53.605	9.611	35.682	12.139	16.139	24.236	26.722	26.433
	MAMMA1000277	56.407	16.435	98.448	19.751	12.725	33.047	23.839	33.012
45	MAMMA1000278	40.286	13.365	19.395	9.730	12.609	20.423	25.204	22.237
	MAMMA1000279	68.661	36.984	173.379	46.809	34.441	42.500	26.143	48.597
	MAMMA1000283	55.199	27.095	46.168	22.395	15.870	21.308	16.298	18.504
	MAMMA1000284	76.726	67.676	42.784	39.851	34.586	47.651	39.169	48.342
	MAMMA1000287	73.583	58.726	142.953	39.301	31.007	27.370	29.006	35.599
	MAMMA1000284	457.450	361.106	313.407	116.696	112.848	343.951	155.948	100.375
50	MAMMA1000298	31.731	25.511	41.413	16.220	16.320	14.676	22.043	20.205
	MAMMA1000302	109.379	58.532	280.880	69.156	44.790	36.788	28.220	40.861
	MAMMA1000303	67.505	14.147	18.804	11.073	33.859	26.599	30.177	30.810
	MAMMA1000305	32.363	19.693	108.733	15.375	12.695	14.455	13.353	15.189
	MAMMA1000307	279.600	75.098	397.421	75.020	45.244	68.757	131.117	116.800
	MAMMA1000309	11.679	39.455	13.529	3.502	3.904	8.895	10.500	6.744
55	MAMMA1000312	22.645	50.288	9.368	4.180	3.450	4.882	7.079	7.576

Table 51

MAMMA1000313	79.577	69.550	54.317	10.741	60.526	42.964	18.206	37.303
MAMMA1000331	80.910	48.868	139.047	33.811	22.564	15.207	18.580	21.385
MAMMA1000335	54.800	22.399	33.190	18.244	16.273	30.688	26.611	30.790
MAMMA1000339	69.222	40.948	83.679	13.158	20.941	22.134	20.026	10.739
MAMMA1000340	57.498	34.708	164.968	32.922	28.610	23.069	18.858	23.519
MAMMA1000348	78.099	102.955	374.737	55.033	32.546	66.256	22.303	23.575
MAMMA1000356	152.238	116.086	454.516	67.232	34.525	47.884	22.865	61.267
MAMMA1000358	34.367	56.332	15.362	15.091	16.743	17.405	19.645	7.358
MAMMA1000360	71.104	74.351	246.244	43.414	24.093	24.945	14.842	14.739
MAMMA1000361	101.653	93.468	230.215	73.577	45.022	37.236	37.987	42.992
MAMMA1000363	71.108	19.232	39.013	13.717	23.713	30.739	27.813	32.485
MAMMA1000370	171.867	108.830	110.466	80.949	52.076	79.266	57.877	247.810
MAMMA1000371	100.543	32.223	80.873	48.039	49.442	91.739	57.647	46.599
MAMMA1000372	206.850	114.326	609.068	130.138	79.980	80.890	54.857	97.509
MAMMA1000385	72.074	60.911	238.462	40.061	34.528	31.361	22.458	45.681
MAMMA1000388	118.855	69.094	105.789	42.626	50.059	55.389	37.396	37.825
MAMMA1000395	97.031	44.493	34.493	20.201	19.036	27.695	24.269	17.433
MAMMA1000402	126.085	107.637	256.584	68.415	45.669	61.486	30.340	30.843
MAMMA1000403	87.558	63.749	208.574	64.857	45.578	44.799	22.710	42.239
MAMMA1000410	43.073	43.539	94.207	39.613	19.880	22.573	16.272	21.003
MAMMA1000413	30.829	13.370	70.418	17.102	13.392	15.291	11.599	15.353
MAMMA1000414	125.550	111.622	81.672	15.722	51.528	14.549	28.214	13.858
MAMMA1000416	179.864	103.793	427.214	107.383	105.899	121.441	55.040	84.667
MAMMA1000421	131.712	73.475	307.780	70.841	55.037	49.498	34.519	46.482
MAMMA1000422	12.614	14.628	30.167	16.100	11.675	22.441	18.843	54.831
MAMMA1000423	34.100	22.150	69.677	18.461	13.815	15.645	8.500	8.869
MAMMA1000424	9.330	4.056	36.234	8.171	0.971	2.769	0.745	7.267
MAMMA1000429	575.321	219.603	317.414	158.529	150.779	290.300	196.161	149.619
MAMMA1000431	143.825	79.993	275.497	82.499	52.496	63.425	43.337	66.733
MAMMA1000432	65.212	17.117	24.472	28.083	17.360	33.881	27.547	29.615
MAMMA1000437	89.375	88.947	265.572	60.025	69.885	45.195	30.823	31.510
MAMMA1000444	120.017	124.234	477.772	115.966	65.200	66.888	31.943	88.274
MAMMA1000446	50.201	66.027	41.408	8.991	18.971	29.395	7.985	37.220
MAMMA1000449	81.386	41.427	180.761	40.414	25.983	35.232	23.109	27.942
MAMMA1000457	47.862	13.862	15.095	11.981	7.566	21.142	12.971	10.872
MAMMA1000458	34.485	13.749	22.864	12.116	11.199	18.881	15.924	10.046
MAMMA1000468	8.235	7.843	6.029	5.004	5.503	8.258	7.138	1.618
MAMMA1000472	250.243	67.964	110.774	68.614	73.186	111.758	88.016	79.409
MAMMA1000473	54.174	16.506	40.489	16.002	17.450	26.506	17.741	13.900
MAMMA1000477	77.316	50.237	238.943	56.460	38.807	32.776	38.438	35.332
MAMMA1000479	201.299	157.097	496.514	127.872	82.832	77.444	49.296	86.763
MAMMA1000483	107.340	74.564	252.463	60.824	31.055	44.198	44.167	87.449
MAMMA1000490	14.473	14.068	16.023	12.496	8.202	15.654	11.091	12.344
MAMMA1000496	32.756	10.554	20.693	10.676	19.830	19.282	13.204	13.410
MAMMA1000500	23.016	17.584	49.151	15.706	13.914	19.063	11.094	22.904
MAMMA1000501	196.637	102.490	468.793	104.118	67.761	83.834	76.446	86.912
MAMMA1000503	7.083	4.085	3.866	1.004	1.005	3.752	4.005	3.248
MAMMA1000506	201.452	116.279	151.434	58.847	78.502	149.780	99.352	64.069
MAMMA1000510	70.898	18.432	60.927	39.187	33.327	42.829	40.893	33.127
MAMMA1000515	43.923	30.031	85.637	35.744	18.805	21.837	19.339	17.922
MAMMA1000516	74.742	48.811	148.307	43.452	18.069	34.061	19.122	26.985
MAMMA1000522	53.273	23.845	132.197	22.861	14.594	24.776	12.095	27.578
MAMMA1000524	130.806	61.389	266.529	71.558	50.972	73.691	47.484	55.510
MAMMA1000528	38.579	27.136	46.940	35.839	15.860	29.316	19.300	24.797
MAMMA1000534	32.603	20.088	33.950	10.973	7.186	10.580	7.972	10.160
MAMMA1000541	165.518	58.806	85.648	63.188	27.705	52.036	46.200	39.018
MAMMA1000550	119.597	203.059	41.184	24.393	5.859	48.433	766.194	63.005
MAMMA1000558	31.963	15.056	15.588	8.634	11.294	15.698	21.467	16.597
MAMMA1000559	67.738	31.181	242.155	29.443	19.030	26.908	13.520	41.571
MAMMA1000565	118.770	30.318	289.829	37.509	33.728	38.720	18.344	26.847
MAMMA1000567	77.050	44.379	224.645	48.804	41.102	56.039	35.496	63.529
MAMMA1000576	271.038	180.600	661.566	221.987	157.443	132.385	93.679	129.843
MAMMA1000582	54.936	43.406	272.366	14.342	18.896	29.396	46.333	40.210
MAMMA1000583	90.692	51.670	147.946	34.905	17.175	23.177	19.077	40.824

Table 52

	MAMMA1000585	89.865	50.008	288.673	52.259	28.243	39.188	24.088	46.734
	MAMMA1000587	47.955	14.789	58.279	12.415	6.584	14.410	15.734	6.826
5	MAMMA1000591	77.705	38.280	81.784	28.019	20.094	28.578	24.299	19.949
	MAMMA1000594	194.593	94.384	488.898	91.064	59.244	55.681	43.577	75.029
	MAMMA1000597	496.923	264.906	751.636	196.294	121.483	306.397	199.968	160.426
	MAMMA1000605	324.584	183.667	990.248	209.555	135.844	158.096	97.598	149.183
	MAMMA1000612	68.113	22.051	42.999	14.074	19.294	41.220	29.460	15.713
	MAMMA1000614	580.099	136.874	402.890	69.022	127.808	309.892	249.344	194.110
10	MAMMA1000618	2.590	16.442	13.809	1.109	3.011	7.500	3.036	3.188
	MAMMA1000621	19.258	12.723	14.307	13.200	5.971	12.028	11.561	11.081
	MAMMA1000623	60.189	23.285	25.913	12.057	10.648	23.327	19.218	20.667
	MAMMA1000625	651.334	249.117	346.876	155.944	192.671	373.924	300.473	274.263
	MAMMA1000635	4.459	2.994	4.756	2.883	0.000	4.118	5.584	9.542
	MAMMA1000643	24.259	51.698	115.511	47.881	17.554	52.330	16.308	38.448
15	MAMMA1000648	72.487	111.121	22.868	9.213	27.074	81.604	46.859	34.048
	MAMMA1000652	152.920	94.568	319.943	76.610	67.817	87.605	41.747	77.720
	MAMMA1000657	116.830	41.097	278.504	38.131	36.289	67.327	34.224	32.593
	MAMMA1000664	48.908	37.993	133.863	26.712	16.308	21.135	14.102	35.215
	MAMMA1000667	77.285	24.312	99.732	25.027	29.493	43.769	22.193	24.502
	MAMMA1000668	42.561	28.100	54.970	17.454	18.336	50.398	38.233	26.553
20	MAMMA1000669	22.787	14.382	57.803	14.670	6.337	12.841	7.392	12.088
	MAMMA1000670	66.748	22.566	46.836	26.498	25.826	33.332	38.768	39.130
	MAMMA1000672	128.331	25.209	67.913	35.262	28.783	64.713	38.934	40.592
	MAMMA1000681	88.397	40.677	32.249	14.404	13.181	26.710	30.054	37.369
	MAMMA1000684	85.908	107.381	66.100	35.992	32.881	41.006	36.719	77.834
	MAMMA1000696	165.293	107.442	551.458	130.714	88.510	70.985	43.857	55.551
25	MAMMA1000702	82.316	25.689	62.797	22.839	22.884	48.899	39.297	29.636
	MAMMA1000706	81.416	25.442	34.529	20.432	15.562	39.909	33.303	25.371
	MAMMA1000707	128.277	17.100	51.835	15.001	33.473	48.628	46.555	24.075
	MAMMA1000713	75.263	59.677	109.995	37.970	23.975	33.874	30.149	38.491
	MAMMA1000714	228.368	288.017	246.261	56.045	25.380	80.480	51.219	64.589
	MAMMA1000718	98.208	92.149	245.750	79.940	49.064	50.180	40.223	49.032
30	MAMMA1000720	158.737	111.227	446.586	101.175	73.612	78.021	29.904	80.252
	MAMMA1000723	64.930	49.053	148.286	40.276	28.806	19.434	18.845	24.784
	MAMMA1000731	31.516	11.357	68.834	12.436	11.755	7.989	7.536	7.367
	MAMMA1000732	121.291	56.513	230.064	68.746	51.582	53.763	35.440	49.335
	MAMMA1000733	24.525	14.171	58.717	16.852	7.153	14.100	8.586	10.632
	MAMMA1000734	113.011	127.486	142.152	102.345	44.860	84.456	43.098	98.011
35	MAMMA1000736	142.978	48.490	130.520	34.595	40.252	73.418	82.810	69.461
	MAMMA1000738	110.304	61.504	28.831	38.642	18.942	31.735	48.926	35.128
	MAMMA1000744	140.264	94.669	281.287	76.261	79.008	63.977	43.557	40.380
	MAMMA1000746	26.385	50.110	37.264	16.895	10.790	35.280	3.177	11.010
	MAMMA1000748	73.879	36.619	52.587	30.957	36.810	46.899	25.359	24.846
	MAMMA1000751	42.505	27.882	58.087	44.924	28.537	43.075	32.581	61.052
40	MAMMA1000752	55.785	55.790	193.100	53.436	25.798	29.655	21.969	44.384
	MAMMA1000757	314.709	210.647	536.246	187.416	161.327	151.926	112.625	152.076
	MAMMA1000760	218.937	178.377	534.346	131.736	100.173	95.443	58.158	91.220
	MAMMA1000761	147.993	73.793	349.399	85.319	65.436	75.180	43.310	63.428
	MAMMA1000775	75.873	25.684	170.040	34.150	30.063	20.938	15.825	18.992
45	MAMMA1000776	101.206	81.986	253.211	57.436	51.043	51.597	28.394	33.452
	MAMMA1000778	71.839	47.596	214.100	42.749	28.124	29.701	17.866	26.497
	MAMMA1000781	67.901	30.437	97.580	26.658	23.265	29.056	17.488	26.972
	MAMMA1000782	286.062	65.796	174.951	84.753	88.062	151.891	90.446	86.369
	MAMMA1000784	135.655	91.366	264.154	67.248	65.127	26.625	29.991	78.501
	MAMMA1000788	143.478	49.979	98.983	34.803	30.600	55.026	29.032	46.210
	MAMMA1000798	62.822	41.315	139.860	37.055	26.873	27.100	11.942	32.539
	MAMMA1000802	132.633	86.328	341.638	76.811	64.234	64.772	38.532	61.561
50	MAMMA1000810	150.779	88.200	372.241	89.538	80.592	81.887	42.150	57.891
	MAMMA1000813	31.571	14.636	31.497	9.531	9.356	14.627	12.633	10.718
	MAMMA1000814	197.602	134.253	279.885	107.679	82.142	99.046	64.626	62.091
	MAMMA1000824	65.693	21.602	64.020	38.421	35.405	29.268	31.671	38.813
	MAMMA1000827	146.098	70.894	157.448	47.656	39.428	44.524	33.051	44.519
	MAMMA1000831	55.332	19.954	29.847	13.557	9.407	21.580	16.602	6.497
55	MAMMA1000838	39.583	28.962	39.815	28.681	49.251	39.669	14.663	19.273

Table 53

MAMMA1000839	157.898	138.792	503.964	113.084	86.648	85.964	57.388	102.963
MAMMA1000841	44.843	37.288	50.074	28.351	19.319	37.537	13.012	20.655
MAMMA1000842	174.347	36.747	169.008	44.926	48.610	78.492	50.804	35.389
MAMMA1000843	8.643	4.650	14.084	4.758	2.185	6.547	5.283	1.757
MAMMA1000845	40.044	33.955	33.012	21.488	15.747	23.310	17.728	15.607
MAMMA1000851	187.033	79.321	307.054	96.448	73.025	75.853	98.526	72.039
MAMMA1000854	66.648	33.221	63.298	17.429	20.157	33.288	22.320	21.685
MAMMA1000855	10.264	4.185	17.702	3.794	3.995	2.454	9.158	3.568
MAMMA1000856	186.269	40.945	84.561	27.973	38.378	82.629	60.529	25.726
MAMMA1000859	64.234	121.939	60.662	34.958	42.945	39.557	20.320	33.032
MAMMA1000862	40.107	21.345	23.693	18.808	28.277	22.661	14.238	14.693
MAMMA1000863	98.576	70.285	234.996	67.796	55.216	72.466	36.802	70.885
MAMMA1000865	1.106	0.000	0.000	0.000	2.321	0.000	0.000	0.000
MAMMA1000867	46.228	24.216	64.376	21.736	17.699	18.758	10.742	6.984
MAMMA1000875	124.814	80.537	231.558	88.627	57.015	82.859	46.826	53.611
MAMMA1000878	87.475	36.523	94.191	19.763	21.466	42.434	27.201	24.439
MAMMA1000877	201.968	107.716	538.232	164.333	86.827	114.380	80.171	97.872
MAMMA1000878	99.671	67.833	257.022	71.323	29.066	47.487	36.714	37.365
MAMMA1000880	76.396	60.884	153.335	45.836	17.649	44.996	19.238	35.353
MAMMA1000881	63.646	33.072	177.731	43.034	30.410	31.086	12.184	38.045
MAMMA1000883	71.807	24.931	43.109	16.630	18.675	40.320	44.419	55.440
MAMMA1000887	88.466	0.000	7.404	0.000	0.000	0.000	0.000	0.721
MAMMA1000888	380.818	62.977	134.846	45.311	63.221	164.332	122.071	52.933
MAMMA1000905	97.555	63.528	161.117	57.777	42.205	50.312	28.216	42.710
MAMMA1000906	57.788	33.146	125.096	29.019	13.531	29.380	16.982	14.930
MAMMA1000908	30.597	19.222	40.351	11.584	5.445	10.392	13.469	11.612
MAMMA1000911	9.952	29.425	3.998	9.963	1.886	7.419	5.350	126.406
MAMMA1000914	82.184	23.137	69.228	20.659	18.111	35.329	22.616	18.859
MAMMA1000920	92.123	62.032	37.206	16.675	15.550	47.235	47.660	26.801
MAMMA1000921	107.169	69.026	207.821	102.347	60.403	64.787	35.902	77.424
MAMMA1000931	211.796	140.234	424.498	95.390	40.229	51.643	49.349	95.211
MAMMA1000940	145.411	82.982	268.876	70.972	55.532	61.420	51.119	60.328
MAMMA1000941	182.800	134.847	509.857	131.193	79.478	106.717	53.292	91.187
MAMMA1000942	195.078	123.131	446.428	117.435	68.234	90.801	63.506	75.814
MAMMA1000943	196.926	99.988	558.754	109.551	89.006	81.092	51.063	85.539
MAMMA1000952	161.019	97.081	355.265	78.330	98.779	104.172	79.021	96.980
MAMMA1000956	43.741	16.217	14.918	11.103	5.840	41.230	24.471	6.893
MAMMA1000957	95.532	53.066	225.645	64.794	42.610	47.323	34.337	45.567
MAMMA1000962	281.600	192.048	781.968	204.962	120.611	123.900	84.354	140.995
MAMMA1000966	151.087	157.558	417.591	111.282	64.746	81.685	51.694	78.953
MAMMA1000968	217.975	107.043	313.251	58.469	41.964	46.044	41.392	63.998
MAMMA1000972	18.150	48.148	119.482	22.427	18.041	15.672	12.870	33.135
MAMMA1000973	36.667	18.879	24.787	11.758	12.527	19.441	17.828	22.312
MAMMA1000976	44.972	19.058	38.995	20.137	30.793	22.864	65.817	45.898
MAMMA1000976	122.625	67.075	216.981	70.671	60.470	91.475	60.614	81.173
MAMMA1000979	81.812	102.452	145.415	68.435	53.443	56.902	38.749	89.759
MAMMA1000986	118.211	39.368	239.204	68.513	49.208	56.431	42.354	94.152
MAMMA1000987	81.466	50.679	248.660	43.686	35.580	49.753	23.004	41.997
MAMMA1000988	150.907	68.191	242.562	63.946	34.252	81.162	48.528	86.723
MAMMA1000994	101.984	21.000	41.248	21.154	26.136	49.152	44.373	50.623
MAMMA1000998	166.669	75.193	367.111	91.202	105.673	107.213	58.957	84.216
MAMMA1001003	73.580	37.252	146.092	47.279	34.315	35.674	26.101	59.032
MAMMA1001007	3.055	0.000	5.547	0.000	1.411	3.633	0.800	0.000
MAMMA1001008	40.892	31.048	65.220	38.501	74.831	38.859	47.979	31.121
MAMMA1001013	135.486	128.856	372.544	93.280	57.270	56.674	44.237	52.328
MAMMA1001014	85.681	25.361	77.414	32.516	25.227	20.809	35.346	16.624
MAMMA1001021	93.867	49.224	180.659	41.205	34.542	34.975	35.352	29.726
MAMMA1001024	141.736	49.918	229.735	52.670	41.069	54.541	41.726	36.711
MAMMA1001025	13.661	8.964	12.310	5.843	13.733	6.698	4.305	5.091
MAMMA1001028	36.353	24.719	14.061	10.363	34.518	16.233	15.746	11.316
MAMMA1001030	33.596	27.602	35.295	20.296	15.861	14.989	25.031	23.536
MAMMA1001035	235.880	125.555	517.898	181.208	139.149	129.655	96.375	134.509
MAMMA1001036	133.350	45.689	152.344	60.632	47.114	60.433	40.803	40.973
MAMMA1001037	180.875	100.457	403.651	52.277	55.761	72.026	38.313	51.826

Table S4

	MAMMA1001038	26.248	12.160	150.692	32.729	5.309	10.436	15.903	27.263
	MAMMA1001041	113.237	27.602	43.846	32.708	45.924	47.820	46.929	16.614
5	MAMMA1001043	218.483	23.847	68.163	22.306	10.449	41.046	45.779	31.087
	MAMMA1001050	157.361	80.096	220.216	71.548	69.197	49.684	13.493	49.872
	MAMMA1001054	102.456	62.728	134.003	63.324	43.343	21.184	38.007	39.478
	MAMMA1001059	136.357	48.942	59.988	52.931	26.061	111.283	69.714	40.010
	MAMMA1001066	387.798	103.377	293.890	140.850	119.334	176.295	158.663	60.324
	MAMMA1001067	82.327	39.420	127.017	37.076	29.891	30.670	19.782	14.257
10	MAMMA1001072	150.398	31.601	52.273	21.983	32.143	57.421	47.051	26.375
	MAMMA1001073	101.957	23.218	17.217	11.406	43.228	24.053	24.142	5.176
	MAMMA1001074	104.201	41.827	240.332	94.124	56.071	89.717	16.387	14.966
	MAMMA1001075	32.081	34.601	23.705	29.782	21.196	23.184	14.757	17.497
	MAMMA1001078	102.185	111.402	317.478	75.869	35.841	49.660	67.285	67.244
	MAMMA1001080	367.248	210.764	130.259	89.003	81.982	186.406	141.739	266.507
15	MAMMA1001082	50.264	39.773	20.039	17.602	43.163	26.358	17.452	14.352
	MAMMA1001091	3.576	11.403	27.522	0.000	18.321	4.593	0.000	0.000
	MAMMA1001092	50.554	25.306	48.577	16.425	15.153	18.849	11.524	4.155
	MAMMA1001094	353.180	72.506	112.379	42.145	78.386	130.368	113.824	62.964
	MAMMA1001106	138.777	111.226	113.121	82.426	80.960	45.158	16.891	45.852
	MAMMA1001110	15.141	8.661	7.407	3.823	5.537	6.280	3.216	4.392
20	MAMMA1001126	299.120	223.060	683.480	194.522	164.920	119.375	96.413	88.784
	MAMMA1001133	243.826	187.024	529.603	144.907	119.301	111.573	67.515	94.605
	MAMMA1001139	291.212	867.784	447.960	473.187	227.579	348.627	121.382	173.840
	MAMMA1001141	36.320	18.295	40.066	9.930	5.202	26.277	16.337	13.996
	MAMMA1001143	163.308	70.387	153.588	67.249	59.919	67.023	43.805	40.903
	MAMMA1001146	110.718	43.148	141.067	30.890	31.851	11.000	10.119	13.322
25	MAMMA1001150	80.076	29.005	50.289	16.249	7.495	33.674	48.052	22.629
	MAMMA1001154	203.206	129.777	429.878	121.700	90.014	77.333	45.155	71.154
	MAMMA1001159	46.847	28.763	19.301	13.704	8.444	23.404	21.664	24.248
	MAMMA1001161	185.601	233.229	485.605	141.151	109.607	107.154	96.161	79.043
	MAMMA1001162	196.299	51.198	67.587	29.962	40.684	78.949	43.247	18.714
	MAMMA1001181	116.505	35.688	88.127	33.728	40.701	41.280	16.749	26.312
30	MAMMA1001186	155.118	85.120	303.506	69.532	51.017	85.296	42.211	48.082
	MAMMA1001189	60.587	31.052	16.618	30.386	22.337	29.809	50.065	54.044
	MAMMA1001191	120.521	18.093	41.809	22.249	21.661	39.122	50.157	24.623
	MAMMA1001198	229.338	561.556	755.924	895.028	205.811	536.623	412.766	746.035
	MAMMA1001202	322.950	274.854	664.569	248.672	218.550	168.136	144.829	179.567
	MAMMA1001203	170.551	101.121	330.599	85.243	72.915	53.990	44.564	52.183
	MAMMA1001206	132.103	114.504	202.256	65.195	71.217	61.327	43.601	48.988
35	MAMMA1001208	55.417	28.101	30.608	21.282	25.686	27.394	20.016	15.433
	MAMMA1001215	199.721	123.016	194.852	82.919	72.839	87.641	68.245	60.078
	MAMMA1001220	223.133	154.557	404.346	110.968	91.387	74.073	58.534	62.841
	MAMMA1001222	5.585	4.936	6.763	1.852	0.474	2.171	20.800	5.022
	MAMMA1001223	94.809	29.294	42.345	15.601	20.861	20.316	32.446	15.726
	MAMMA1001232	130.199	45.492	227.125	47.671	38.837	45.692	59.906	32.862
40	MAMMA1001234	129.344	27.935	227.692	85.815	64.344	61.799	49.210	34.673
	MAMMA1001237	29.560	11.083	23.224	7.241	4.489	20.199	16.883	11.003
	MAMMA1001243	20.832	11.598	47.127	7.253	32.689	20.073	7.954	6.544
	MAMMA1001244	44.925	10.751	11.473	9.770	11.102	14.902	16.779	4.470
	MAMMA1001249	43.758	23.671	15.616	19.023	10.556	26.846	10.975	13.758
	MAMMA1001258	169.303	81.917	266.686	187.649	131.656	44.850	56.325	69.786
45	MAMMA1001259	70.213	24.036	18.445	18.447	25.202	45.289	34.303	19.546
	MAMMA1001260	154.426	64.153	81.115	52.438	46.566	80.874	64.937	87.761
	MAMMA1001262	153.326	63.618	64.064	40.354	54.252	66.416	134.449	25.835
	MAMMA1001268	87.760	53.599	146.494	47.068	42.826	34.360	20.976	28.286
	MAMMA1001271	305.116	66.384	106.518	32.761	65.392	128.314	130.796	39.913
	MAMMA1001274	73.329	94.857	235.488	85.614	64.385	71.860	61.087	62.114
	MAMMA1001280	66.399	17.595	13.218	9.853	3.831	37.015	12.303	6.374
50	MAMMA1001283	145.535	67.060	129.301	56.055	38.490	56.397	52.661	34.076
	MAMMA1001284	253.434	80.199	204.903	48.739	63.272	100.485	93.658	76.590
	MAMMA1001286	86.284	38.290	49.421	32.175	40.490	57.666	59.470	32.210
	MAMMA1001289	169.737	90.053	62.200	32.142	102.670	68.398	64.913	47.082
	MAMMA1001292	103.898	20.400	28.796	15.498	31.006	29.378	26.545	31.970
55	MAMMA1001296	225.022	173.717	324.251	133.662	60.125	88.173	70.926	89.316

Table 55

MAMMA1001298	80.876	60.189	230.669	38.485	32.838	36.675	27.032	27.836
MAMMA1001305	153.258	67.563	147.529	36.286	31.766	65.281	41.627	30.730
MAMMA1001309	6.490	8.306	6.534	3.627	4.269	0.000	5.861	6.705
MAMMA1001310	148.253	53.093	185.786	46.753	41.171	63.488	82.639	54.927
MAMMA1001322	20.005	14.809	29.403	19.332	11.227	14.549	14.163	15.700
MAMMA1001324	82.605	28.652	85.996	52.506	31.339	47.688	30.365	20.779
MAMMA1001330	180.949	117.040	245.119	52.680	15.121	97.891	81.121	27.980
MAMMA1001333	101.707	75.972	213.812	59.950	49.965	59.640	32.340	37.307
MAMMA1001334	156.564	108.340	81.315	64.901	34.949	73.570	65.556	73.287
MAMMA1001337	105.507	35.111	33.563	17.119	20.426	44.148	21.930	33.068
MAMMA1001341	100.751	32.100	79.257	23.788	38.019	38.614	42.286	29.671
MAMMA1001343	128.875	95.425	301.822	74.316	77.337	85.437	18.963	98.899
MAMMA1001344	32.880	35.930	40.648	21.963	23.320	30.315	16.394	27.074
MAMMA1001346	49.749	17.537	51.635	21.147	20.480	22.107	26.805	24.306
MAMMA1001383	202.565	186.453	597.532	117.676	100.238	103.083	68.993	76.274
MAMMA1001388	149.105	66.100	213.624	45.488	52.686	66.868	85.346	57.974
MAMMA1001396	197.435	81.919	430.433	80.848	94.812	95.399	75.293	90.889
MAMMA1001397	116.167	86.809	175.125	67.323	58.676	56.833	61.558	52.233
MAMMA1001401	101.761	72.090	194.999	62.960	48.162	67.422	73.403	78.023
MAMMA1001408	62.875	17.757	62.603	9.779	13.557	44.301	11.008	20.408
MAMMA1001411	271.344	54.507	67.489	20.658	68.557	157.085	134.884	38.338
MAMMA1001414	74.836	21.511	88.469	27.218	20.603	32.791	16.798	25.126
MAMMA1001415	207.635	38.228	51.690	26.716	68.700	89.184	99.527	41.848
MAMMA1001418	103.090	36.102	91.976	39.234	28.949	27.016	31.339	23.195
MAMMA1001419	106.299	52.357	210.943	52.570	45.256	41.351	37.624	25.914
MAMMA1001420	133.835	25.587	149.981	15.816	19.703	28.670	26.323	15.896
MAMMA1001426	265.539	180.062	165.308	87.320	89.096	170.869	109.848	84.772
MAMMA1001428	310.313	180.134	229.960	136.337	147.398	262.499	135.345	83.047
MAMMA1001432	266.375	107.317	387.676	86.786	60.159	83.974	37.205	60.775
MAMMA1001436	99.596	48.079	193.151	53.623	27.154	41.869	30.388	39.835
MAMMA1001442	103.071	100.872	193.544	78.030	54.054	54.359	43.164	50.728
MAMMA1001446	180.367	105.551	197.748	98.484	72.694	46.485	39.641	61.589
MAMMA1001450	67.785	51.961	68.660	34.362	32.591	32.211	28.904	9.424
MAMMA1001452	180.732	124.244	432.438	115.549	111.829	104.153	92.517	96.081
MAMMA1001465	528.588	255.549	770.820	359.206	364.762	388.404	209.219	264.063
MAMMA1001476	33.639	19.551	25.289	5.909	17.988	24.584	26.252	17.981
MAMMA1001478	117.183	61.333	147.383	46.785	39.649	32.143	33.776	40.723
MAMMA1001479	156.131	59.931	31.646	28.808	44.671	62.901	69.911	26.759
MAMMA1001487	67.613	53.042	92.480	34.978	30.928	40.427	27.489	11.238
MAMMA1001498	96.522	111.213	222.159	50.813	14.811	23.385	56.209	28.054
MAMMA1001501	216.969	55.879	84.459	38.389	49.731	88.169	43.395	32.036
MAMMA1001502	124.674	57.815	131.281	46.452	43.478	54.854	34.762	36.860
MAMMA1001510	27.993	7.591	13.577	10.197	11.745	6.993	14.922	8.048
MAMMA1001522	56.601	24.819	109.236	27.569	21.472	26.094	29.481	17.416
MAMMA1001529	83.190	23.330	82.488	20.883	31.879	41.170	29.923	20.596
MAMMA1001532	47.058	33.575	98.780	33.881	17.641	23.622	25.583	30.896
MAMMA1001533	97.390	40.032	30.146	22.218	20.573	25.298	46.390	16.233
MAMMA1001534	0.341	0.000	0.000	0.000	0.608	6.274	0.000	0.000
MAMMA1001536	32.482	21.042	23.902	24.788	14.317	27.839	5.277	10.537
MAMMA1001547	122.717	75.842	186.325	45.519	46.073	43.338	36.590	24.660
MAMMA1001551	103.124	52.282	155.615	43.540	38.692	47.685	20.767	32.781
MAMMA1001569	47.916	19.726	56.549	24.376	18.319	34.666	36.128	11.381
MAMMA1001576	137.304	30.090	50.539	31.981	29.095	50.898	55.992	33.156
MAMMA1001576	355.571	57.322	87.851	39.259	62.142	115.580	85.589	39.636
MAMMA1001584	59.860	30.398	60.438	23.526	24.246	30.161	16.694	22.305
MAMMA1001586	6.157	32.887	0.000	2.133	1.210	6.758	2.949	4.371
MAMMA1001590	150.616	76.439	214.250	84.714	45.244	67.639	37.913	52.869
MAMMA1001599	40.717	29.889	37.283	14.016	19.295	24.401	27.880	19.119
MAMMA1001600	109.112	32.647	49.324	13.148	24.411	44.599	35.258	20.344
MAMMA1001604	153.185	34.765	63.275	52.861	9.643	15.339	24.456	16.253
MAMMA1001608	217.088	99.469	248.919	91.848	90.788	88.514	79.192	78.377
MAMMA1001609	64.637	23.619	74.281	18.302	10.063	9.100	19.011	13.860
MAMMA1001614	74.839	29.828	9.202	11.550	18.036	35.992	21.716	14.483
MAMMA1001615	71.970	10.164	10.048	11.622	4.999	35.674	12.056	11.852

Table 56

	MAMMA1001619	361.714	66.104	138.945	35.137	88.004	177.280	155.721	44.365
	MAMMA1001620	113.233	68.799	320.014	88.182	65.387	62.891	47.797	49.428
5	MAMMA1001623	32.719	16.493	22.246	8.396	13.561	16.233	7.490	7.940
	MAMMA1001626	75.279	8.514	13.728	10.774	12.665	56.613	57.493	6.962
	MAMMA1001627	28.468	7.652	39.356	8.734	4.064	8.190	14.443	7.576
	MAMMA1001630	38.419	36.649	115.287	20.971	7.371	8.511	10.371	18.570
	MAMMA1001633	77.945	25.597	143.786	22.273	51.279	40.889	37.952	19.350
	MAMMA1001634	132.937	95.570	297.140	83.974	56.835	62.263	58.952	66.333
10	MAMMA1001635	140.754	47.359	225.161	34.126	24.717	38.086	34.792	34.698
	MAMMA1001649	30.569	12.321	20.513	11.727	13.713	19.299	12.550	9.106
	MAMMA1001654	150.282	91.691	90.096	34.969	84.959	66.853	62.712	58.197
	MAMMA1001660	133.470	97.805	42.199	61.020	54.089	65.813	66.019	54.874
	MAMMA1001663	394.964	202.523	572.820	154.372	162.177	148.843	118.542	79.262
	MAMMA1001670	109.171	38.230	119.077	31.362	18.030	43.797	53.194	28.426
15	MAMMA1001671	145.809	21.188	31.621	20.983	11.973	13.009	10.867	8.816
	MAMMA1001679	74.490	17.313	20.426	10.837	8.375	23.180	9.271	18.786
	MAMMA1001683	147.044	87.078	260.375	71.805	39.630	48.331	49.633	41.012
	MAMMA1001686	12.824	14.464	46.223	12.860	21.575	12.528	5.274	9.906
	MAMMA1001688	290.960	584.756	484.182	407.762	105.060	319.616	241.392	1824.687
20	MAMMA1001689	74.686	28.294	39.725	20.248	8.261	19.721	31.387	18.923
	MAMMA1001692	90.375	64.474	198.053	56.976	35.470	19.914	16.899	28.825
	MAMMA1001711	111.425	82.300	189.195	30.269	36.663	51.227	10.898	27.229
	MAMMA1001715	67.545	40.330	71.553	28.616	19.372	25.019	24.223	13.907
	MAMMA1001730	33.925	17.096	21.837	11.464	4.477	36.743	11.375	8.587
	MAMMA1001735	79.384	42.172	38.240	23.675	25.390	20.932	27.963	11.313
	MAMMA1001740	100.894	25.218	94.454	17.836	17.794	23.366	21.945	16.107
25	MAMMA1001743	199.112	118.364	141.535	72.049	46.384	86.104	96.828	100.038
	MAMMA1001744	23.256	20.454	0.000	2.086	2.551	2.098	5.703	0.000
	MAMMA1001745	121.679	94.047	301.292	106.455	100.677	125.697	46.388	55.894
	MAMMA1001751	58.670	37.967	90.572	30.921	14.618	26.060	33.416	32.380
	MAMMA1001762	284.221	89.024	175.680	74.746	86.008	159.864	103.908	99.685
	MAMMA1001764	57.620	30.193	53.390	14.833	35.182	39.454	17.523	12.754
30	MAMMA1001767	14.456	8.290	7.632	7.247	6.076	15.580	5.382	5.641
	MAMMA1001769	283.527	155.103	596.815	118.229	106.868	115.717	105.154	147.707
	MAMMA1001784	33.825	15.661	33.885	14.429	5.043	11.697	22.420	16.539
	MAMMA1001767	41.791	27.578	112.242	22.484	21.848	16.357	11.576	9.367
	MAMMA1001768	50.861	34.645	129.707	25.682	23.037	24.674	27.811	11.075
	MAMMA1001769	206.737	82.818	645.195	110.913	102.640	105.607	80.653	102.144
35	MAMMA1001771	123.973	30.551	49.772	16.877	55.099	52.348	41.113	48.806
	MAMMA1001773	47.743	27.204	35.277	8.450	18.002	17.141	23.713	30.755
	MAMMA1001778	104.585	49.619	92.589	42.249	35.085	50.584	39.215	26.862
	MAMMA1001783	140.821	89.274	371.095	82.231	85.803	87.248	61.999	71.448
	MAMMA1001785	119.072	65.819	256.400	60.491	37.351	65.802	45.875	54.652
	MAMMA1001788	37.967	8.305	25.708	9.749	8.870	11.494	13.172	10.408
	MAMMA1001790	202.092	181.258	279.482	57.700	22.737	29.284	28.819	46.106
40	MAMMA1001800	24.282	11.444	30.466	12.517	1.763	8.501	13.065	25.671
	MAMMA1001804	150.744	16.771	51.213	14.975	33.630	67.533	64.799	20.701
	MAMMA1001806	62.312	54.896	146.142	37.371	11.402	36.501	43.675	52.846
	MAMMA1001812	17.002	11.569	32.023	10.166	5.995	9.576	10.245	11.255
	MAMMA1001815	50.743	27.272	61.778	19.704	15.636	25.863	15.187	22.130
	MAMMA1001817	10.653	7.578	15.446	7.044	7.758	3.611	7.974	11.601
45	MAMMA1001818	48.733	19.657	87.193	21.647	18.566	18.770	19.256	18.678
	MAMMA1001819	165.340	99.233	343.318	111.523	112.261	57.848	73.268	67.725
	MAMMA1001820	48.662	22.951	34.879	16.243	11.743	9.468	15.897	11.398
	MAMMA1001824	125.683	53.824	187.383	58.214	53.691	47.999	45.347	37.548
	MAMMA1001832	56.633	30.370	42.082	21.957	23.518	23.996	20.046	8.482
	MAMMA1001836	128.477	58.280	179.541	45.913	43.485	44.952	56.814	24.346
	MAMMA1001837	118.428	66.031	172.658	60.299	38.153	37.090	17.947	50.301
50	MAMMA1001848	42.562	27.622	82.759	24.693	20.435	22.941	15.102	19.124
	MAMMA1001850	402.506	243.182	312.586	171.182	143.034	232.615	91.466	106.637
	MAMMA1001851	123.305	30.035	69.870	64.763	41.560	39.454	33.329	45.924
	MAMMA1001852	198.774	161.311	321.896	118.228	133.655	112.820	91.724	115.602
	MAMMA1001854	158.894	117.462	234.984	44.823	77.240	42.929	39.634	45.321
55	MAMMA1001868	148.310	133.834	240.344	51.820	24.063	35.871	73.151	58.279

Table 57

	MAMMA1001864	169.742	52.389	185.785	37.880	50.896	67.999	55.272	23.142
	MAMMA1001868	82.643	56.439	59.491	82.418	34.438	47.003	28.588	35.585
5	MAMMA1001874	9.192	9.651	51.178	7.405	11.275	9.054	7.189	10.453
	MAMMA1001878	190.515	70.315	227.600	164.835	101.886	72.219	79.645	146.982
	MAMMA1001880	159.918	94.489	292.528	95.467	48.528	98.588	39.271	81.114
	MAMMA1001885	117.729	44.975	110.656	53.460	26.142	52.223	41.423	29.156
	MAMMA1001890	127.969	47.712	247.654	60.558	29.367	36.838	39.109	41.483
	MAMMA1001893	90.120	22.271	50.435	19.070	23.222	27.783	36.643	18.711
10	MAMMA1001901	78.854	67.274	188.894	57.356	38.856	45.633	22.050	26.367
	MAMMA1001907	159.767	70.062	305.846	76.004	91.563	25.690	68.288	28.595
	MAMMA1001908	44.964	27.928	41.967	55.852	40.219	53.008	32.123	40.375
	MAMMA1001919	0.000	82.865	12.109	0.000	2.270	0.000	0.000	5.175
	MAMMA1001931	59.705	9.869	29.213	49.582	13.981	18.165	29.466	11.467
	MAMMA1001937	47.045	26.453	33.302	16.535	17.844	31.265	29.899	19.650
	MAMMA1001951	114.033	76.574	311.618	70.531	55.661	40.552	39.990	40.224
15	MAMMA1001956	171.199	78.116	295.630	76.171	65.654	47.426	67.568	57.411
	MAMMA1001957	114.304	40.789	155.366	48.819	41.429	43.671	26.153	26.982
	MAMMA1001960	99.822	63.449	192.955	55.422	57.938	23.395	42.027	44.844
	MAMMA1001963	6.938	3.851	9.748	3.671	3.337	0.000	0.000	5.275
	MAMMA1001969	237.109	164.919	517.768	178.594	149.500	109.284	97.612	137.120
	MAMMA1001970	199.358	123.085	297.080	101.158	41.691	71.806	71.685	61.125
20	MAMMA1001978	1.206	0.000	0.000	0.000	1.081	1.561	0.000	0.000
	MAMMA1001992	189.502	91.630	283.440	78.807	70.640	63.218	71.282	32.898
	MAMMA1001994	85.231	21.385	143.259	40.178	38.484	54.686	24.893	33.837
	MAMMA1002008	66.834	77.793	37.647	14.813	20.016	33.334	39.365	10.388
	MAMMA1002009	144.462	65.030	407.911	107.350	55.438	47.107	40.434	57.138
	MAMMA1002011	32.832	13.901	27.624	10.188	19.701	17.344	22.354	14.449
25	MAMMA1002022	107.727	67.057	159.576	65.640	59.239	37.381	36.122	50.747
	MAMMA1002024	176.885	70.125	207.390	72.614	55.279	78.953	108.945	46.948
	MAMMA1002032	270.523	130.983	362.313	98.620	95.626	104.970	73.966	83.780
	MAMMA1002033	132.652	119.984	303.660	81.264	93.758	74.391	34.919	49.831
	MAMMA1002041	19.611	15.313	18.901	14.070	10.859	15.705	11.098	10.476
	MAMMA1002042	78.700	42.958	161.397	37.566	30.208	55.486	24.562	23.890
30	MAMMA1002045	7.131	8.948	24.018	14.459	14.811	11.172	1.533	10.371
	MAMMA1002047	82.875	57.343	192.240	55.806	45.781	34.315	27.824	37.210
	MAMMA1002056	212.189	152.323	474.785	146.238	94.617	84.218	104.806	75.923
	MAMMA1002058	149.112	126.148	334.116	98.541	74.809	81.670	44.227	65.825
	MAMMA1002060	13.278	7.931	14.514	12.643	5.782	6.917	16.902	5.536
	MAMMA1002065	128.185	46.405	127.810	82.855	59.107	72.737	63.052	39.667
35	MAMMA1002068	110.652	64.982	163.753	51.583	45.893	40.656	37.400	24.128
	MAMMA1002070	61.186	24.791	29.988	16.102	15.306	31.362	22.002	21.338
	MAMMA1002078	170.197	38.633	93.014	30.633	33.682	90.533	42.110	14.299
	MAMMA1002080	21.195	14.596	12.646	10.208	14.094	14.792	10.377	10.263
	MAMMA1002082	111.870	77.716	117.819	55.009	54.940	28.457	25.946	21.254
	MAMMA1002084	74.297	40.086	152.790	30.118	30.052	28.788	24.428	24.140
40	MAMMA1002087	17.991	17.619	30.479	8.932	13.026	13.365	9.996	6.344
	MAMMA1002091	78.604	26.611	41.258	17.086	26.812	39.757	46.803	27.660
	MAMMA1002093	17.498	0.000	5.942	5.592	5.630	8.103	11.278	4.689
	MAMMA1002095	78.790	13.430	22.728	13.058	20.650	32.157	32.621	8.152
	MAMMA1002108	91.919	6.035	31.027	13.639	7.939	32.486	27.923	11.735
	MAMMA1002112	24.376	27.337	10.667	11.574	5.250	15.678	14.329	37.463
	MAMMA1002118	12.060	5.100	8.756	5.943	6.502	7.856	7.396	3.149
45	MAMMA1002119	122.271	36.908	59.513	20.581	36.895	38.172	39.046	32.476
	MAMMA1002125	159.277	83.844	373.786	60.523	54.991	63.367	35.366	35.797
	MAMMA1002126	231.380	139.298	431.047	153.496	117.027	84.728	70.658	62.381
	MAMMA1002128	102.647	35.864	48.863	19.098	20.811	44.235	39.193	25.406
	MAMMA1002132	226.752	118.230	198.712	79.589	88.860	84.266	50.630	48.550
	MAMMA1002140	54.642	53.227	115.593	42.121	33.524	31.026	24.905	32.121
50	MAMMA1002142	121.646	33.812	49.214	19.085	27.295	103.698	68.348	39.850
	MAMMA1002143	150.595	15.368	78.681	38.118	5.895	13.974	10.806	45.937
	MAMMA1002145	237.202	72.397	165.166	45.537	53.986	87.872	73.605	22.437
	MAMMA1002147	73.366	34.088	45.078	27.984	33.648	53.571	33.082	8.766
	MAMMA1002153	133.485	74.073	143.431	55.132	46.673	85.911	25.126	19.099
	MAMMA1002155	320.181	146.275	552.191	86.240	120.874	124.338	93.185	96.378

Table 58

	MAMMA1002156	3.612	2.088	14.013	0.880	0.000	0.000	0.000	0.554
	MAMMA1002158	70.916	40.655	88.575	24.125	14.786	21.144	21.721	31.526
5	MAMMA1002164	109.211	29.584	54.163	32.089	28.633	66.844	29.378	23.138
	MAMMA1002165	166.029	111.787	135.468	73.710	66.970	77.137	88.540	53.125
	MAMMA1002170	0.000	0.000	0.000	1.159	0.000	0.000	0.000	0.000
	MAMMA1002174	139.902	178.299	326.262	182.252	147.225	141.399	87.695	71.650
	MAMMA1002175	49.635	20.861	21.290	16.108	13.918	22.449	12.876	18.564
	MAMMA1002180	117.470	55.089	69.154	18.969	36.764	45.946	59.721	45.237
10	MAMMA1002198	123.227	67.539	235.488	54.699	51.835	48.796	31.324	62.413
	MAMMA1002205	114.861	63.437	420.688	47.331	81.775	61.499	42.296	74.029
	MAMMA1002208	86.539	30.665	50.318	17.788	32.139	63.320	64.272	56.392
	MAMMA1002209	124.961	73.557	143.211	32.801	43.486	64.448	43.661	36.987
	MAMMA1002215	446.836	148.590	401.477	150.983	162.248	310.059	210.563	225.764
	MAMMA1002219	103.054	68.338	110.047	29.595	35.094	50.008	34.183	47.670
15	MAMMA1002224	155.329	135.036	325.596	92.243	139.113	54.888	50.692	104.338
	MAMMA1002229	54.055	19.297	24.594	8.408	18.280	19.024	14.880	18.482
	MAMMA1002230	131.172	96.706	345.936	76.632	50.164	62.315	35.205	65.871
	MAMMA1002233	40.299	20.503	27.780	14.645	13.380	24.157	18.866	16.294
	MAMMA1002234	16.951	13.815	19.460	7.251	4.128	10.631	13.812	19.438
	MAMMA1002238	50.642	23.553	50.683	14.162	51.817	24.897	29.324	44.837
20	MAMMA1002243	88.955	30.943	38.127	26.451	21.889	37.268	32.369	10.849
	MAMMA1002250	101.569	23.851	171.031	56.513	74.300	48.863	11.431	66.114
	MAMMA1002253	515.165	161.871	322.750	80.630	175.660	370.878	217.429	157.156
	MAMMA1002267	129.167	239.800	180.046	95.357	56.654	98.387	72.076	331.998
	MAMMA1002268	36.456	16.771	39.216	17.501	24.043	16.873	20.704	13.929
	MAMMA1002269	27.848	6.625	13.419	16.093	10.154	8.666	6.915	4.635
25	MAMMA1002282	53.648	58.269	178.298	38.160	60.059	34.106	22.977	37.892
	MAMMA1002292	62.491	17.873	48.526	22.803	16.647	14.012	30.027	30.270
	MAMMA1002293	236.280	162.513	481.000	154.526	85.449	104.060	60.152	54.729
	MAMMA1002294	110.705	24.664	124.002	36.492	33.138	43.853	25.143	19.816
	MAMMA1002297	66.424	40.774	88.229	32.940	16.126	21.061	14.524	17.505
	MAMMA1002298	104.368	30.772	64.493	24.071	29.853	40.308	35.653	29.912
	MAMMA1002299	102.764	41.185	67.139	29.656	30.944	33.813	19.722	23.248
30	MAMMA1002308	69.299	30.798	86.503	30.668	29.756	27.771	17.935	16.223
	MAMMA1002310	494.257	272.509	645.571	186.568	219.463	344.867	183.571	203.149
	MAMMA1002311	151.653	80.941	315.707	69.190	66.700	63.809	50.563	40.723
	MAMMA1002312	79.548	36.483	113.839	34.110	19.878	36.852	19.114	16.993
	MAMMA1002317	96.094	32.026	188.632	45.170	46.365	46.409	41.391	20.920
	MAMMA1002319	141.320	69.599	218.472	74.218	50.463	59.927	44.261	42.418
35	MAMMA1002322	144.393	65.401	253.730	67.857	46.931	25.375	51.002	44.826
	MAMMA1002329	49.002	17.163	28.349	17.067	21.239	27.218	20.223	13.611
	MAMMA1002332	55.840	30.915	137.766	47.492	35.312	32.956	23.130	16.413
	MAMMA1002333	75.478	17.882	32.309	19.280	28.576	31.145	41.629	17.637
	MAMMA1002335	171.866	50.373	149.587	54.778	40.367	18.695	38.972	26.410
	MAMMA1002339	91.741	62.818	152.049	63.915	53.097	48.035	33.691	31.797
40	MAMMA1002347	98.915	55.800	120.784	40.650	55.929	33.327	45.235	27.501
	MAMMA1002351	70.045	22.016	35.600	18.333	20.122	33.583	21.722	19.631
	MAMMA1002352	52.143	17.786	22.690	23.069	12.412	24.411	13.818	11.949
	MAMMA1002353	128.336	52.785	144.030	46.481	46.561	38.806	12.132	34.575
	MAMMA1002355	46.995	34.505	123.684	29.737	22.025	29.352	6.766	22.664
	MAMMA1002356	40.901	21.732	86.932	22.189	25.451	22.826	13.215	18.951
45	MAMMA1002359	276.825	92.529	330.418	168.428	142.084	59.794	89.656	51.182
	MAMMA1002380	42.725	25.740	47.382	16.661	18.409	9.982	9.481	12.121
	MAMMA1002361	152.118	88.131	201.317	50.907	41.767	51.778	26.886	27.245
	MAMMA1002362	39.281	22.692	119.094	21.154	14.517	23.579	14.318	19.590
	MAMMA1002367	142.262	75.887	50.909	48.285	31.065	65.479	60.201	210.780
	MAMMA1002371	119.755	66.644	278.090	138.658	42.317	49.599	32.494	49.257
	MAMMA1002380	90.587	47.691	161.106	38.559	31.139	36.350	34.696	25.229
50	MAMMA1002384	90.935	85.538	249.278	71.113	46.508	40.126	29.975	44.417
	MAMMA1002385	13.712	7.306	6.051	7.420	3.720	9.699	8.116	7.609
	MAMMA1002390	119.086	26.468	66.535	12.989	40.464	53.956	37.080	19.518
	MAMMA1002392	90.573	32.273	97.224	19.547	21.438	26.503	20.868	14.255
	MAMMA1002396	167.171	132.603	370.476	113.135	82.112	77.745	28.921	53.900
55	MAMMA1002399	73.011	45.586	115.522	33.773	19.180	17.808	26.587	22.269

Table 59

	MAMMA1002400	10.797	7.113	11.587	4.041	5.847	4.732	4.516	4.194
	MAMMA1002409	93.810	75.886	50.232	41.725	30.159	43.673	520.771	70.327
5	MAMMA1002411	81.111	34.713	76.973	23.185	26.301	31.997	16.726	11.902
	MAMMA1002413	199.066	68.034	377.354	55.454	56.059	50.318	26.783	38.961
	MAMMA1002417	30.976	26.195	58.136	15.593	17.649	14.266	7.765	11.383
	MAMMA1002427	87.721	47.715	208.629	48.123	38.391	40.117	26.156	31.585
	MAMMA1002428	108.360	83.671	293.146	88.263	84.156	51.786	57.518	57.126
	MAMMA1002433	90.843	23.726	38.263	19.586	19.565	44.397	36.529	25.042
10	MAMMA1002434	117.152	72.024	272.113	68.694	66.706	54.616	45.191	46.511
	MAMMA1002446	102.855	36.748	90.796	22.955	36.351	49.598	42.676	12.897
	MAMMA1002447	77.962	49.457	171.445	42.653	21.446	36.510	25.929	27.967
	MAMMA1002454	314.500	201.950	539.572	188.845	118.797	99.696	72.794	103.951
	MAMMA1002461	204.681	47.899	153.652	28.137	56.943	69.968	55.245	48.401
	MAMMA1002463	130.489	40.148	72.561	25.745	31.969	67.395	41.920	28.713
15	MAMMA1002484	94.697	34.520	44.484	18.573	24.045	50.657	37.103	17.415
	MAMMA1002486	27.080	25.120	38.208	18.549	16.920	44.337	37.029	13.891
	MAMMA1002470	66.277	10.542	19.623	14.778	9.384	20.022	21.241	15.324
	MAMMA1002475	35.982	26.009	77.707	23.670	24.685	10.963	12.591	26.386
	MAMMA1002480	85.342	48.419	144.499	40.755	50.788	48.101	35.187	30.058
	MAMMA1002485	256.024	56.235	75.461	32.978	72.095	120.038	77.311	49.943
20	MAMMA1002494	66.749	23.381	154.418	25.376	48.947	43.136	11.733	14.401
	MAMMA1002498	58.032	20.346	24.265	12.932	13.125	26.950	19.794	5.551
	MAMMA1002624	73.628	20.842	11.923	21.047	20.268	27.749	12.366	14.645
	MAMMA1002530	82.789	19.903	43.803	13.551	9.161	28.535	27.889	12.605
	MAMMA1002538	101.182	27.725	28.460	21.181	31.900	45.529	26.380	25.658
	MAMMA1002545	131.415	100.020	322.993	72.173	54.265	23.145	30.820	51.328
	MAMMA1002554	51.033	30.923	62.549	16.548	18.644	38.344	32.052	17.411
25	MAMMA1002556	201.613	62.773	211.073	70.139	99.337	37.921	45.357	46.536
	MAMMA1002561	199.748	128.004	586.968	135.854	118.280	54.740	81.217	51.656
	MAMMA1002565	57.918	43.508	20.564	13.434	36.930	27.532	51.392	13.777
	MAMMA1002566	29.155	16.405	7.906	3.460	1.967	13.518	5.709	5.318
	MAMMA1002571	73.034	22.187	37.154	25.594	6.079	28.030	19.946	20.955
	MAMMA1002573	218.479	62.669	183.544	61.350	46.029	113.781	65.617	60.521
30	MAMMA1002576	109.621	18.498	33.802	10.617	22.615	43.283	55.199	26.452
	MAMMA1002584	244.467	197.626	384.879	79.185	103.251	112.917	113.914	151.642
	MAMMA1002585	133.865	28.963	56.983	17.186	16.306	13.727	51.687	25.753
	MAMMA1002588	67.168	39.043	34.776	15.656	19.252	29.586	35.555	19.945
	MAMMA1002589	98.120	25.567	26.838	16.923	18.956	18.249	16.364	12.691
	MAMMA1002590	268.176	57.804	202.329	36.276	77.487	180.923	123.883	42.552
35	MAMMA1002593	131.425	64.951	130.257	54.131	23.515	55.983	37.410	36.272
	MAMMA1002597	76.091	50.352	131.097	33.606	42.551	25.425	36.396	34.764
	MAMMA1002598	69.190	45.133	59.324	58.225	35.339	68.531	47.164	70.246
	MAMMA1002603	122.932	40.124	155.801	51.386	48.672	98.075	64.732	66.103
	MAMMA1002612	330.999	152.583	441.574	105.603	112.764	175.106	98.853	99.475
	MAMMA1002617	363.139	211.831	557.754	145.485	146.260	203.052	110.009	118.254
40	MAMMA1002618	90.423	66.208	129.807	53.454	46.096	53.758	43.899	55.854
	MAMMA1002619	34.076	14.223	23.292	10.350	14.540	15.236	12.465	13.642
	MAMMA1002622	112.756	60.308	263.518	46.461	43.508	41.984	32.044	52.630
	MAMMA1002623	89.689	68.083	149.811	64.401	102.216	102.611	54.682	73.325
	MAMMA1002626	83.660	44.949	94.038	26.154	32.540	34.576	38.497	28.162
	MAMMA1002627	9.090	2.616	7.631	2.875	0.000	3.940	7.852	8.826
	MAMMA1002629	111.050	96.279	397.433	77.573	45.933	89.762	63.737	108.399
45	MAMMA1002631	50.470	10.960	11.524	6.679	3.741	10.219	10.741	11.301
	MAMMA1002633	32.234	20.386	37.729	16.053	9.358	12.456	8.681	32.169
	MAMMA1002636	59.898	50.529	142.123	25.014	15.348	18.150	38.018	22.608
	MAMMA1002637	58.583	21.541	11.323	5.892	14.789	18.069	26.406	22.104
	MAMMA1002646	55.442	29.770	36.308	23.176	15.750	18.816	26.997	38.809
	MAMMA1002648	49.661	48.800	69.217	43.621	64.730	39.438	38.742	48.014
50	MAMMA1002650	15.384	6.907	9.595	4.820	3.958	6.140	8.225	6.642
	MAMMA1002652	61.935	69.556	44.994	60.882	59.089	42.135	62.414	54.651
	MAMMA1002655	49.617	25.105	13.568	11.569	8.462	23.347	10.991	22.157
	MAMMA1002662	122.410	44.430	94.935	34.850	32.770	58.417	41.476	39.910
	MAMMA1002665	236.733	190.056	600.904	183.784	112.684	133.133	101.570	153.389
55	MAMMA1002671	89.496	41.623	60.274	25.563	20.577	26.452	50.459	40.518

Table 60

MAMMA1002673	94.294	135.347	302.435	85.878	116.544	122.876	58.765	72.402
MAMMA1002684	169.486	32.550	60.424	32.013	39.987	86.564	80.699	48.058
MAMMA1002685	25.020	18.401	21.785	11.312	11.628	3.402	5.660	25.002
MAMMA1002692	7.274	9.361	3.697	10.386	2.003	4.100	3.302	9.849
MAMMA1002693	66.711	52.339	15.641	32.934	10.671	20.187	32.429	30.795
MAMMA1002698	39.272	32.200	43.657	33.153	4.354	11.796	12.328	34.409
MAMMA1002699	18.348	10.645	5.272	3.333	2.314	3.625	12.679	6.883
MAMMA1002701	66.193	107.821	326.150	82.189	33.993	57.919	29.820	58.144
MAMMA1002708	232.250	119.730	183.848	75.850	88.388	76.116	103.624	109.697
MAMMA1002711	128.862	101.834	359.100	105.535	79.820	76.543	28.135	61.975
MAMMA1002712	55.151	50.304	36.811	8.507	18.857	25.978	44.085	47.001
MAMMA1002716	32.821	37.741	37.674	23.554	13.366	39.383	49.740	33.088
MAMMA1002721	128.620	78.060	360.516	86.920	49.826	57.925	48.421	76.576
MAMMA1002723	67.425	45.775	59.116	53.954	27.853	31.646	28.039	37.993
MAMMA1002727	4.194	5.317	4.081	4.586	3.879	1.679	6.885	6.203
MAMMA1002728	45.508	63.239	134.784	49.369	17.238	32.733	26.228	67.828
MAMMA1002742	486.871	191.088	183.567	79.031	168.740	257.374	156.771	126.280
MAMMA1002743	17.914	25.779	65.317	19.354	14.843	12.214	24.184	22.277
MAMMA1002744	70.172	65.184	190.550	59.599	40.023	33.273	23.675	53.991
MAMMA1002746	14.967	8.271	6.293	9.116	3.957	9.800	1.039	7.011
MAMMA1002748	53.355	180.966	171.425	25.271	3.510	13.742	11.775	23.747
MAMMA1002754	64.093	69.489	189.499	44.022	29.371	15.039	15.857	30.299
MAMMA1002758	25.835	7.240	9.756	5.507	5.640	9.500	11.968	9.173
MAMMA1002762	65.824	58.122	104.988	33.940	18.698	86.679	92.471	84.012
MAMMA1002764	104.828	95.058	295.803	59.465	52.006	47.508	45.629	48.337
MAMMA1002765	81.926	54.425	185.685	56.838	25.634	30.254	22.519	36.212
MAMMA1002769	20.078	9.062	33.997	9.878	15.366	12.293	19.431	15.797
MAMMA1002771	92.652	248.038	91.136	106.297	36.324	95.235	52.022	929.910
MAMMA1002775	51.236	37.084	125.540	30.088	37.975	21.242	25.695	24.387
MAMMA1002780	23.190	24.572	73.778	29.664	12.337	13.199	6.027	19.175
MAMMA1002782	76.728	28.066	76.753	28.366	26.053	26.045	13.885	33.944
MAMMA1002795	17.412	3.178	14.907	9.264	2.359	8.615	10.186	19.921
MAMMA1002796	28.596	28.390	48.340	13.930	16.360	14.274	13.494	19.709
MAMMA1002805	25.198	16.430	30.126	13.856	9.933	47.769	23.312	13.432
MAMMA1002806	84.431	28.564	34.957	32.528	49.335	29.125	31.705	30.489
MAMMA1002807	64.374	42.471	124.060	39.454	51.288	34.638	23.265	46.125
MAMMA1002814	28.078	31.573	133.666	36.466	14.707	19.459	22.590	33.539
MAMMA1002817	8.719	10.443	6.527	4.036	1.165	2.240	8.038	11.128
MAMMA1002820	15.173	5.049	24.747	14.605	7.416	9.432	16.038	5.111
MAMMA1002830	91.438	212.662	185.761	75.492	49.491	111.835	311.632	133.132
MAMMA1002833	90.875	71.138	217.238	50.346	44.689	47.222	25.094	46.080
MAMMA1002836	28.488	23.244	28.102	14.935	9.604	12.597	16.302	12.709
MAMMA1002838	84.752	56.692	166.200	49.694	30.237	32.930	11.628	26.416
MAMMA1002842	98.706	53.519	151.675	23.902	32.033	41.236	27.950	47.227
MAMMA1002843	76.343	31.051	107.479	18.190	24.282	30.456	19.401	13.727
MAMMA1002844	311.853	139.150	228.560	66.881	72.282	201.758	152.846	94.166
MAMMA1002845	4.464	5.631	16.258	13.028	3.642	8.306	5.338	22.843
MAMMA1002857	77.604	209.913	235.780	187.148	50.200	178.228	129.737	278.807
MAMMA1002858	113.809	319.730	662.654	523.500	84.144	532.413	382.518	1000.090
MAMMA1002863	108.297	33.190	66.980	38.305	28.112	45.735	86.883	51.987
MAMMA1002868	65.375	102.643	253.035	92.062	91.774	46.567	38.439	58.468
MAMMA1002869	85.453	22.923	80.058	18.164	22.833	26.217	42.600	30.859
MAMMA1002871	28.097	6.998	5.660	1.623	3.087	7.477	5.467	3.406
MAMMA1002875	20.954	16.542	18.160	22.628	23.110	21.099	24.952	32.949
MAMMA1002879	33.352	14.773	9.446	6.359	8.506	13.275	30.077	23.108
MAMMA1002880	46.288	35.830	71.009	12.119	12.813	16.447	20.107	22.354
MAMMA1002881	57.225	55.154	238.977	25.333	27.378	18.964	34.053	52.410
MAMMA1002885	87.039	28.425	35.323	14.016	29.962	34.101	61.975	26.271
MAMMA1002886	398.174	39.003	88.206	52.831	26.325	197.562	39.216	20.561
MAMMA1002887	45.505	7.809	7.548	7.024	9.968	8.271	13.875	5.111
MAMMA1002890	65.426	61.707	153.034	36.444	19.739	40.974	38.649	41.029
MAMMA1002892	58.445	53.672	210.646	36.086	31.508	36.186	13.729	35.746
MAMMA1002893	76.469	18.593	25.600	5.864	9.192	24.826	20.585	11.290
MAMMA1002895	33.029	30.313	81.623	21.896	10.209	8.431	11.614	21.933

Table 61

	MAMMA1002888	88.538	24.524	42.725	9.653	16.551	32.137	42.359	30.815
	MAMMA1002905	191.445	39.095	72.714	28.234	32.209	91.200	60.899	51.358
5	MAMMA1002906	92.692	27.862	53.273	26.259	34.130	57.141	67.635	26.917
	MAMMA1002908	77.656	66.964	209.054	54.014	54.429	43.639	58.626	50.901
	MAMMA1002909	157.128	123.626	654.652	152.777	89.304	83.884	61.550	89.879
	MAMMA1002918	55.362	26.201	35.298	14.931	10.960	19.166	27.775	29.119
	MAMMA1002925	50.571	70.116	54.395	18.071	27.814	43.511	11.984	57.467
	MAMMA1002926	105.041	221.644	119.112	66.217	73.866	245.600	1218.974	550.265
10	MAMMA1002930	68.089	38.713	147.112	32.243	19.181	31.875	24.698	46.379
	MAMMA1002937	207.866	61.711	89.764	38.377	38.050	97.677	156.876	119.279
	MAMMA1002938	34.139	13.727	21.350	7.309	10.152	15.165	14.230	14.534
	MAMMA1002941	18.884	30.845	50.805	19.591	7.699	16.322	11.528	24.529
	MAMMA1002947	63.095	31.441	46.623	20.590	18.624	28.594	29.987	39.586
	MAMMA1002964	43.981	37.785	133.836	22.173	11.661	25.346	15.389	28.296
15	MAMMA1002967	37.974	16.689	23.126	13.527	10.863	35.085	22.091	25.886
	MAMMA1002970	178.268	124.368	533.590	120.984	97.317	92.795	66.069	109.854
	MAMMA1002971	99.466	79.461	50.710	19.662	15.091	40.745	37.592	51.546
	MAMMA1002972	83.922	33.377	50.911	16.436	12.354	42.113	50.137	45.819
	MAMMA1002973	117.540	70.913	318.513	45.601	38.568	34.070	22.903	68.699
	MAMMA1002978	80.771	204.398	227.280	56.459	375.745	119.386	122.750	226.538
20	MAMMA1002982	19.895	9.493	14.202	6.265	0.000	0.000	0.000	5.076
	MAMMA1002987	65.397	50.918	156.507	28.534	30.958	22.630	16.594	36.952
	MAMMA1003003	104.891	69.630	125.933	48.800	36.915	48.025	45.716	47.346
	MAMMA1003004	41.353	106.059	274.622	111.746	92.691	59.597	33.719	77.654
	MAMMA1003007	20.423	21.289	75.498	16.044	8.908	15.878	6.947	15.193
	MAMMA1003011	45.615	37.641	29.754	23.843	21.157	33.395	48.907	39.054
25	MAMMA1003013	65.088	58.284	49.438	27.289	18.877	31.768	67.950	59.419
	MAMMA1003016	36.817	29.585	89.251	19.826	4.679	16.602	6.959	10.432
	MAMMA1003019	10.026	30.107	5.244	7.467	2.375	6.403	3.225	6.184
	MAMMA1003020	48.046	31.761	50.515	13.842	17.142	19.341	28.497	20.218
	MAMMA1003026	28.646	14.274	3.514	8.603	6.618	9.838	11.161	6.781
	MAMMA1003031	248.219	140.526	311.997	98.494	105.194	112.752	66.462	132.570
30	MAMMA1003033	47.072	27.208	130.132	44.811	42.096	33.806	17.555	36.757
	MAMMA1003035	102.528	49.560	45.025	30.912	25.924	64.046	42.175	56.246
	MAMMA1003039	37.382	19.822	98.219	37.555	17.115	27.935	9.656	25.906
	MAMMA1003040	76.014	95.416	243.138	114.795	84.250	59.989	42.107	100.448
	MAMMA1003044	79.444	46.915	90.545	40.709	21.121	25.258	13.745	23.444
	MAMMA1003047	376.340	121.483	150.100	91.015	100.397	168.621	175.219	122.400
	MAMMA1003048	26.899	9.631	9.169	2.907	5.679	12.149	5.016	10.003
35	MAMMA1003055	38.639	24.977	76.695	21.811	15.758	11.937	6.277	20.034
	MAMMA1003056	31.238	13.811	32.121	15.346	7.891	17.689	3.176	18.147
	MAMMA1003067	68.258	35.596	34.053	23.862	19.335	28.373	32.521	36.634
	MAMMA1003066	43.837	46.015	117.876	31.178	11.361	17.068	9.179	35.831
	MAMMA1003076	16.366	6.334	32.629	10.374	3.215	6.507	2.433	11.804
	MAMMA1003089	49.867	51.500	220.715	36.189	24.057	14.625	14.530	41.852
40	MAMMA1003092	22.129	73.102	15.615	27.304	11.893	9.575	15.986	84.963
	MAMMA1003095	8.240	37.313	24.078	8.354	10.123	9.662	24.609	12.392
	MAMMA1003099	44.094	27.545	96.117	16.060	12.184	15.519	4.930	23.720
	MAMMA1003102	44.491	18.730	31.447	14.500	22.389	16.929	20.089	20.899
	MAMMA1003104	35.977	19.146	34.647	14.588	10.720	11.459	11.385	18.999
	MAMMA1003113	41.697	21.092	30.337	15.635	14.764	14.690	17.723	23.810
45	MAMMA1003126	20.042	39.595	102.916	21.241	15.167	17.921	20.876	26.563
	MAMMA1003127	57.961	27.221	102.332	12.486	8.002	12.295	13.773	22.285
	MAMMA1003131	267.516	37.924	129.263	66.563	86.667	135.209	95.293	83.256
	MAMMA1003135	22.855	14.308	5.624	7.938	2.690	14.984	7.633	17.269
	MAMMA1003140	6.575	9.140	33.040	4.487	0.895	1.900	5.064	5.312
	MAMMA1003146	14.105	18.018	18.562	11.213	11.461	16.500	8.591	9.815
50	MAMMA1003150	311.806	87.992	58.938	77.271	104.739	165.139	115.042	46.945
	MAMMA1003154	93.002	39.912	37.471	22.619	19.656	31.742	26.299	27.565
	MAMMA1003155	41.709	26.308	36.508	14.326	18.674	30.842	23.489	18.048
	MAMMA1003157	34.876	32.317	147.845	12.108	24.093	12.998	8.766	19.930
	MAMMA1003163	37.900	25.338	29.052	18.551	20.826	32.639	35.893	33.749
	MAMMA1003164	26.961	14.747	18.545	13.932	5.852	14.778	13.694	20.137
55	MAMMA1003166	12.213	5.478	7.671	8.749	1.781	3.094	8.412	7.640

Table 62

	NB9N31000010	31.105	17.113	26.284	14.271	7.540	17.180	16.220	11.568
	NB9N31000016	63.431	16.195	24.879	17.001	16.740	25.218	14.845	17.364
5	NB9N31000043	87.438	35.161	58.144	20.813	36.473	36.956	51.575	34.673
	NB9N31000045	83.399	109.448	62.101	95.653	93.734	94.218	166.654	74.328
	NB9N31000054	41.821	12.636	37.831	15.025	15.265	18.863	10.894	13.189
	NB9N31000076	22.822	22.709	57.320	14.223	12.517	9.029	11.713	24.494
	NB9N31000086	31.281	74.504	22.661	29.164	11.744	29.951	13.909	30.012
	NT2RM1000001	11.595	9.900	11.540	4.467	4.016	8.823	6.775	5.184
10	NT2RM1000018	333.185	68.022	171.103	77.680	48.418	138.131	122.906	79.696
	NT2RM1000032	37.506	9.768	23.088	9.453	13.222	16.128	22.911	12.495
	NT2RM1000035	185.573	46.513	81.354	58.890	39.846	82.885	74.450	52.553
	NT2RM1000037	185.843	60.878	116.479	50.830	36.658	98.591	49.882	54.356
	NT2RM1000039	228.804	172.849	444.715	104.606	82.108	214.282	139.766	101.078
	NT2RM1000042	55.479	102.774	112.292	145.900	52.898	89.445	80.537	184.618
	NT2RM1000056	1.083	0.593	0.000	0.000	0.252	0.000	5.227	0.000
15	NT2RM1000059	212.057	100.267	173.989	78.130	50.792	143.445	83.189	102.504
	NT2RM1000062	11.755	9.438	11.334	1.925	2.705	2.434	25.015	10.555
	NT2RM1000065	153.505	42.956	56.248	29.740	66.820	67.974	42.112	65.531
	NT2RM1000066	26.794	6.539	7.914	2.716	6.609	8.275	11.533	13.605
	NT2RM1000071	42.919	126.091	61.623	97.378	24.665	45.008	74.491	266.252
	NT2RM1000080	12.803	1.714	1.023	4.022	2.135	8.919	13.254	4.329
20	NT2RM1000088	393.857	146.368	283.360	100.835	117.874	205.973	155.085	102.325
	NT2RM1000092	12.949	18.015	4.187	6.602	2.600	0.000	5.579	17.638
	NT2RM1000118	0.000	0.276	0.000	0.180	0.000	0.000	0.000	0.655
	NT2RM1000119	18.719	5.828	9.051	5.794	3.873	6.048	19.700	10.812
	NT2RM1000121	2.231	0.000	7.566	3.177	3.735	3.309	1.697	3.614
	NT2RM1000122	309.647	84.904	138.129	58.379	75.966	213.166	141.553	57.569
25	NT2RM1000127	14.133	3.707	2.380	2.322	3.743	4.212	8.594	5.786
	NT2RM1000131	1.661	1.269	0.348	0.000	0.768	0.000	2.271	2.221
	NT2RM1000132	10.432	7.649	9.599	3.479	7.287	11.592	13.046	10.752
	NT2RM1000153	39.773	9.302	10.314	3.465	4.419	11.775	17.131	12.503
	NT2RM1000184	85.966	171.937	58.982	34.486	22.674	51.668	129.969	177.417
	NT2RM1000186	2.149	4.807	0.000	0.000	1.586	1.226	3.974	7.121
30	NT2RM1000187	29.354	12.303	16.019	17.222	15.020	17.176	15.232	18.703
	NT2RM1000199	16.274	0.000	17.316	6.834	4.725	5.212	8.917	6.720
	NT2RM1000213	17.361	14.639	43.481	9.904	8.998	12.127	6.422	10.141
	NT2RM1000215	8.787	10.858	90.070	4.505	89.435	12.158	6.380	7.453
	NT2RM1000218	0.000	10.196	7.239	2.227	1.452	4.273	8.324	4.445
	NT2RM1000224	35.730	65.418	0.000	47.537	20.172	44.102	26.563	63.368
35	NT2RM1000236	52.706	47.803	20.481	19.138	42.513	21.813	58.118	100.492
	NT2RM1000242	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	NT2RM1000244	13.988	12.654	6.957	9.937	6.047	8.026	8.938	3.968
	NT2RM1000252	283.006	144.306	358.324	169.383	149.200	192.609	174.288	239.093
	NT2RM1000258	284.496	113.021	203.771	67.954	94.270	162.181	132.435	150.452
	NT2RM1000257	8.203	8.081	6.713	9.716	0.000	5.002	7.893	7.694
	NT2RM1000280	548.461	312.072	494.663	164.454	249.491	313.672	232.568	270.549
40	NT2RM1000269	9.472	7.461	6.806	10.004	8.876	5.844	16.818	6.933
	NT2RM1000271	8.917	1.259	3.857	2.440	2.317	4.289	4.982	5.727
	NT2RM1000272	83.425	97.598	29.248	80.462	22.650	25.350	34.266	157.515
	NT2RM1000273	27.031	19.960	21.872	11.127	5.201	25.896	29.976	17.270
	NT2RM1000274	42.234	91.340	28.306	26.224	11.534	34.723	32.623	85.440
	NT2RM1000280	14.289	12.359	21.912	7.205	7.361	10.397	4.200	10.119
45	NT2RM1000296	8.249	4.916	17.445	4.671	9.099	9.454	2.185	1.092
	NT2RM1000300	41.252	31.172	62.474	15.266	6.023	14.825	6.206	14.221
	NT2RM1000304	130.856	217.805	133.583	142.504	77.271	155.874	78.198	321.054
	NT2RM1000314	255.347	113.392	165.204	56.831	114.936	189.937	108.461	113.313
	NT2RM1000318	4.002	22.985	8.505	14.343	0.836	6.124	14.391	25.194
	NT2RM1000336	10.157	10.048	6.881	7.482	5.897	3.558	14.151	14.353
50	NT2RM1000341	41.219	3.681	1.562	0.000	0.000	10.884	5.578	6.704
	NT2RM1000350	302.316	74.071	106.873	34.040	81.896	149.078	112.517	85.201
	NT2RM1000354	6.027	0.000	0.000	1.807	0.000	0.921	2.303	1.256
	NT2RM1000355	74.362	158.811	209.578	39.101	103.936	249.368	14.695	225.724
	NT2RM1000361	16.299	10.575	9.448	7.432	8.424	7.383	4.356	5.053
	NT2RM1000365	0.000	0.000	0.000	0.000	1.447	0.000	0.000	0.000

Table 63

NT2RM1000372	93.583	9.616	49.097	28.761	33.904	61.678	39.147	31.524
NT2RM1000377	42.186	17.871	22.783	12.668	13.142	15.587	18.377	23.602
NT2RM1000388	8.811	19.351	1.155	5.242	0.780	5.795	6.201	11.464
NT2RM1000394	0.899	1.862	0.813	1.925	0.438	0.000	0.000	0.000
NT2RM1000399	1.641	5.386	0.000	2.270	0.570	0.319	2.023	1.257
NT2RM1000407	69.180	19.536	39.379	6.299	21.106	27.229	14.102	13.378
NT2RM1000421	0.890	0.000	0.000	0.000	0.456	0.150	0.000	0.000
NT2RM1000422	102.028	152.115	200.732	297.482	65.137	134.344	50.452	241.878
NT2RM1000430	16.769	3.286	12.402	4.398	4.506	12.149	11.238	7.508
NT2RM1000442	167.815	117.695	165.008	62.828	65.795	81.561	72.026	118.786
NT2RM1000499	16.037	22.127	75.152	12.507	7.415	7.335	41.299	22.217
NT2RM1000512	126.610	24.122	12.786	25.082	11.161	46.878	21.802	31.090
NT2RM1000519	7.852	28.718	9.178	14.716	6.756	27.934	11.081	10.474
NT2RM1000527	29.692	15.338	24.471	17.418	45.221	59.291	31.450	14.020
NT2RM1000539	14.790	19.300	31.135	14.824	2.560	6.689	3.751	10.774
NT2RM1000542	118.560	38.555	21.020	20.675	29.849	30.176	22.378	32.507
NT2RM1000553	37.329	18.841	47.329	24.533	23.901	33.590	34.084	33.966
NT2RM1000556	77.352	46.168	43.953	21.772	15.838	16.936	12.057	35.840
NT2RM1000558	55.132	15.424	20.508	7.987	7.249	8.886	23.984	21.919
NT2RM1000563	39.161	14.058	17.872	12.234	8.871	14.324	12.341	13.462
NT2RM1000568	3.172	7.323	0.000	2.755	1.243	3.584	2.944	4.754
NT2RM1000570	65.428	72.508	44.124	24.498	15.164	26.341	21.720	56.340
NT2RM1000571	20.300	15.881	9.841	14.197	7.525	7.964	16.668	9.893
NT2RM1000574	45.305	32.953	5.746	5.977	1.945	5.060	1.526	3.809
NT2RM1000580	10.540	9.295	12.139	8.734	2.114	6.532	5.687	7.120
NT2RM1000620	11.778	12.782	21.632	15.504	5.894	4.488	3.359	17.303
NT2RM1000623	3.914	2.515	0.416	3.125	0.251	0.715	0.355	2.159
NT2RM1000630	17.633	6.091	6.532	3.910	2.095	8.257	7.963	6.411
NT2RM1000633	5.563	70.230	93.799	22.316	42.967	24.174	6.091	43.328
NT2RM1000634	3.427	3.869	2.248	1.997	0.487	0.000	1.258	3.039
NT2RM1000642	87.902	31.353	26.846	11.421	21.495	75.074	66.152	42.393
NT2RM1000647	46.410	65.742	56.619	55.351	49.439	30.233	26.128	50.923
NT2RM1000648	25.285	9.969	8.914	5.538	3.383	6.086	5.045	5.201
NT2RM1000650	22.370	16.864	19.881	11.036	29.031	8.360	13.836	11.166
NT2RM1000661	23.325	6.294	12.692	7.551	6.360	11.076	18.036	9.158
NT2RM1000666	13.966	1.244	3.221	1.629	1.543	4.997	1.079	2.418
NT2RM1000669	7.338	9.184	2.145	1.453	1.159	1.973	0.824	6.789
NT2RM1000672	58.162	25.532	15.778	9.171	22.446	58.987	16.791	14.945
NT2RM1000681	21.724	106.663	3.979	14.842	2.185	20.284	16.034	21.688
NT2RM1000691	4.381	9.202	2.832	3.483	1.268	0.878	2.181	3.652
NT2RM1000698	31.943	17.379	9.609	16.495	5.185	8.614	8.628	12.092
NT2RM1000699	10.439	2.722	5.406	4.115	3.535	6.367	10.784	8.214
NT2RM1000702	32.110	7.097	17.438	3.946	5.019	19.783	16.192	9.778
NT2RM1000703	32.168	17.962	20.468	14.964	19.912	19.806	20.940	16.286
NT2RM1000704	25.926	35.690	22.230	11.998	15.536	38.076	52.384	26.689
NT2RM1000725	12.567	91.681	3.742	10.735	0.262	10.694	14.773	17.602
NT2RM1000726	7.525	9.354	5.608	7.297	2.528	3.884	3.237	8.489
NT2RM1000731	144.609	19.850	46.338	14.141	85.767	40.231	32.791	30.972
NT2RM1000741	14.291	4.715	6.122	2.676	3.554	8.230	5.265	7.328
NT2RM1000742	30.801	9.241	6.240	6.116	3.655	11.131	7.680	11.315
NT2RM1000744	69.419	21.887	27.283	15.799	11.433	38.093	24.162	24.347
NT2RM1000746	12.863	7.631	12.042	6.326	6.665	8.321	8.974	11.118
NT2RM1000747	24.565	39.958	11.215	5.537	1.866	7.009	10.940	21.461
NT2RM1000752	13.148	7.585	3.359	5.748	4.905	1.290	6.516	8.686
NT2RM1000767	146.795	35.621	33.719	11.495	31.430	63.425	41.576	22.788
NT2RM1000770	24.395	7.712	21.569	11.954	11.449	9.412	14.053	17.537
NT2RM1000772	2.148	5.100	1.271	2.181	0.000	1.505	6.132	3.034
NT2RM1000779	284.561	185.275	301.250	139.318	150.250	196.541	146.279	96.926
NT2RM1000780	9.227	9.621	4.260	6.864	3.591	4.298	8.898	2.912
NT2RM1000781	0.000	0.000	4.468	0.866	2.562	3.064	2.407	2.127
NT2RM1000789	79.877	28.387	74.545	23.140	28.956	35.852	51.230	46.548
NT2RM1000800	4.947	10.706	34.906	3.617	6.856	4.436	8.934	3.531
NT2RM1000802	209.372	41.025	60.767	12.693	69.721	155.310	133.291	27.049
NT2RM1000811	0.000	0.807	0.000	3.615	0.593	0.000	1.896	1.921

Table 64

NT2RM1000826	55.971	29.000	28.733	20.800	12.255	7.195	28.144	23.708
NT2RM1000828	39.377	19.978	34.233	28.539	40.659	14.600	22.956	26.066
NT2RM1000831	92.244	176.233	212.504	115.234	47.485	121.255	114.428	264.692
NT2RM1000833	20.877	17.302	8.876	4.821	8.474	6.471	16.424	13.119
NT2RM1000834	7.920	13.142	7.973	9.896	4.809	8.919	6.281	8.562
NT2RM1000841	31.899	32.922	28.948	39.736	19.743	24.819	26.306	46.020
NT2RM1000848	10.486	17.213	11.047	9.143	7.207	4.310	8.632	18.858
NT2RM1000850	4.705	2.700	0.000	1.784	0.000	1.597	2.104	7.243
NT2RM1000852	27.699	10.440	14.655	3.679	11.796	13.435	15.920	11.316
NT2RM1000853	0.000	4.915	0.000	1.897	0.000	0.000	19.505	3.017
NT2RM1000856	295.899	111.992	196.426	53.443	65.232	138.673	132.776	97.678
NT2RM1000857	419.515	279.225	710.235	153.528	198.222	264.575	140.191	196.436
NT2RM1000858	450.637	223.032	628.109	128.574	92.997	272.161	183.324	165.845
NT2RM1000867	36.148	35.491	71.518	26.137	22.828	37.610	46.674	48.259
NT2RM1000874	94.766	25.329	40.690	15.917	33.235	69.767	75.898	34.795
NT2RM1000882	32.751	18.077	43.528	12.957	13.381	12.209	10.357	22.709
NT2RM1000883	312.282	118.317	233.345	90.226	109.110	311.111	130.746	182.823
NT2RM1000885	252.089	146.253	191.597	129.087	63.370	152.039	156.686	193.445
NT2RM1000893	28.474	12.532	13.539	21.087	13.367	23.959	22.465	14.066
NT2RM1000894	246.338	100.240	188.863	51.822	48.537	189.474	182.264	80.716
NT2RM1000898	8.028	11.716	12.431	3.461	8.055	10.349	3.262	8.889
NT2RM1000899	20.978	2.796	3.034	4.018	6.936	7.286	6.525	8.715
NT2RM1000905	90.972	37.943	146.214	36.300	72.541	61.959	55.239	46.935
NT2RM1000910	21.236	22.607	15.176	6.355	3.770	20.204	15.343	18.658
NT2RM1000914	199.944	90.792	169.446	46.693	65.449	122.556	87.145	72.117
NT2RM1000919	36.141	16.161	19.116	13.229	8.891	18.002	10.279	10.389
NT2RM1000921	0.242	1.831	11.629	2.787	0.000	1.344	1.305	2.292
NT2RM1000922	13.119	18.060	5.555	12.140	3.037	3.684	6.526	16.464
NT2RM1000924	29.895	12.894	4.946	4.788	7.984	10.841	16.108	5.749
NT2RM1000927	48.046	34.032	49.155	23.882	14.687	14.867	17.603	20.582
NT2RM1000931	13.349	11.379	12.531	13.272	6.919	7.215	10.192	8.882
NT2RM1000936	5.337	16.522	6.739	2.246	6.192	6.379	6.215	8.676
NT2RM1000960	24.574	14.841	49.930	16.747	44.584	52.121	23.270	34.312
NT2RM1000961	20.594	16.610	28.449	33.770	11.295	30.987	65.017	30.389
NT2RM1000962	1.479	8.158	49.309	6.863	4.421	9.226	13.337	10.246
NT2RM1000973	69.241	51.561	16.390	19.560	15.357	27.890	33.675	45.410
NT2RM1000978	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.368
NT2RM1000982	7.275	2.308	2.120	2.059	1.138	1.293	1.746	4.769
NT2RM1000991	13.759	6.798	22.345	7.467	6.192	11.494	1.942	9.039
NT2RM1000994	12.087	15.119	14.969	10.866	9.132	2.303	4.549	14.654
NT2RM1001002	46.263	5.707	19.271	15.499	18.065	33.283	21.225	33.831
NT2RM1001003	14.107	33.647	23.710	23.835	3.391	10.638	8.307	14.681
NT2RM1001008	4.937	4.696	0.740	4.466	2.544	3.192	3.215	10.971
NT2RM1001011	67.834	16.031	21.431	8.274	20.203	46.979	40.030	18.121
NT2RM1001013	25.323	6.694	3.303	6.673	8.650	15.882	23.168	23.126
NT2RM1001017	8.644	4.934	1.214	2.455	1.873	2.894	4.062	7.068
NT2RM1001018	224.654	234.771	124.092	68.774	75.070	85.777	124.713	184.612
NT2RM1001026	23.853	12.510	10.387	14.301	5.568	12.341	14.618	17.008
NT2RM1001028	11.717	13.271	17.437	18.862	6.641	12.231	8.930	11.443
NT2RM1001043	21.614	13.830	4.261	8.481	4.770	7.687	17.274	10.663
NT2RM1001044	21.983	20.272	44.315	8.181	4.171	5.809	4.623	9.566
NT2RM1001059	3.169	2.991	1.318	0.000	0.362	2.727	2.878	3.632
NT2RM1001063	0.879	5.544	0.768	1.254	0.973	4.181	1.761	5.391
NT2RM1001066	3.011	3.061	0.000	3.241	0.000	1.348	1.228	3.011
NT2RM1001072	13.706	7.601	5.972	2.306	0.165	3.139	5.672	5.851
NT2RM1001074	32.455	14.324	28.723	10.090	6.573	10.841	7.837	10.538
NT2RM1001076	7.339	4.891	0.792	2.511	0.000	5.644	6.602	2.026
NT2RM1001082	63.705	50.432	105.417	34.113	20.331	17.230	16.378	21.799
NT2RM1001085	13.921	7.238	4.420	3.206	4.563	0.966	5.984	4.704
NT2RM1001092	16.133	28.569	80.293	36.442	13.840	23.671	15.948	30.844
NT2RM1001102	2.299	0.000	0.000	0.000	0.000	2.006	1.301	2.772
NT2RM1001103	4.293	14.550	11.888	3.980	17.852	6.345	2.505	12.367
NT2RM1001106	0.000	0.418	0.000	0.686	0.000	0.000	0.000	1.156
NT2RM1001112	6.983	5.403	12.985	7.889	7.226	5.412	8.469	12.089

Table 65

	NT2RM1001115	100.486	24.788	67.251	18.301	19.421	53.304	29.318	21.097
	NT2RM1001122	18.980	19.515	19.938	11.109	10.211	34.308	33.955	13.422
5	NT2RM1001136	4.811	3.751	2.520	1.126	0.765	2.194	2.817	5.117
	NT2RM1001139	78.791	18.931	27.710	8.382	21.060	31.349	14.028	14.521
	NT2RM2000003	27.773	13.438	12.296	3.254	10.288	4.103	14.697	22.880
	NT2RM2000006	64.154	36.637	117.073	30.277	27.783	25.842	17.647	24.349
	NT2RM2000010	57.806	33.217	60.148	20.749	86.788	23.487	19.722	22.651
	NT2RM2000013	24.877	27.244	40.874	15.590	40.045	30.831	48.932	36.344
10	NT2RM2000030	68.595	26.308	27.271	17.595	26.608	41.165	43.837	27.939
	NT2RM2000032	22.984	13.418	59.847	11.737	13.094	11.681	12.137	11.426
	NT2RM2000039	35.892	5.887	28.101	23.568	9.740	51.053	23.006	23.405
	NT2RM2000042	7.936	9.200	20.886	10.060	5.098	11.101	20.459	10.744
	NT2RM2000092	12.085	11.085	15.415	5.779	5.195	6.720	11.106	5.712
	NT2RM2000093	51.998	31.271	57.365	24.041	26.832	24.640	12.930	20.135
15	NT2RM2000101	34.341	46.687	64.294	27.692	29.563	48.487	33.388	54.246
	NT2RM2000104	73.163	48.315	58.786	33.739	39.845	53.753	69.151	73.279
	NT2RM2000124	35.818	16.923	31.954	10.723	11.012	23.770	21.401	22.254
	NT2RM2000166	31.139	23.019	27.033	12.467	9.797	13.085	10.315	17.050
	NT2RM2000191	151.075	54.651	87.171	59.579	62.006	74.514	126.950	91.326
	NT2RM2000192	0.760	2.690	0.971	4.582	1.137	2.242	1.413	0.000
20	NT2RM2000239	92.578	36.060	71.933	31.157	21.570	60.155	49.672	39.127
	NT2RM2000240	104.218	69.966	77.545	23.453	53.412	78.029	64.223	83.906
	NT2RM2000241	70.281	31.167	42.733	18.007	14.544	13.466	26.176	42.298
	NT2RM2000250	72.386	22.586	52.512	23.631	19.076	29.100	50.616	50.848
	NT2RM2000259	90.122	33.799	39.931	17.198	9.885	44.083	74.558	29.086
	NT2RM2000260	340.036	40.469	141.962	35.653	77.794	188.072	216.739	59.428
25	NT2RM2000285	24.506	4.177	38.440	1.951	3.495	14.217	14.995	14.683
	NT2RM2000287	131.692	88.080	127.535	51.611	38.294	53.574	55.104	70.583
	NT2RM2000306	45.342	24.950	44.593	13.884	40.471	40.133	22.666	33.254
	NT2RM2000312	13.383	57.043	78.915	13.258	60.055	90.075	183.675	38.391
	NT2RM2000322	33.318	18.077	22.354	11.030	6.002	8.829	16.962	15.344
	NT2RM2000343	70.618	78.514	302.242	43.179	64.338	35.838	84.150	77.161
30	NT2RM2000359	79.203	25.437	34.945	19.556	16.348	47.922	31.041	20.663
	NT2RM2000362	138.367	75.052	100.196	73.363	49.276	128.683	126.847	106.528
	NT2RM2000363	41.249	17.128	40.363	12.316	18.047	6.982	11.907	9.239
	NT2RM2000368	225.366	121.451	100.718	49.727	89.663	128.354	136.054	93.203
	NT2RM2000371	88.897	208.325	97.848	212.525	33.081	80.287	140.890	131.756
	NT2RM2000374	54.398	55.656	153.004	34.316	25.750	36.072	34.151	51.955
35	NT2RM2000387	31.537	35.012	44.269	24.245	23.611	19.094	24.288	26.745
	NT2RM2000393	43.873	18.662	32.917	12.496	14.167	17.560	23.452	33.102
	NT2RM2000395	11.936	2.901	3.145	1.722	4.564	6.102	4.725	9.257
	NT2RM2000402	26.540	28.616	42.681	18.209	10.970	24.876	20.077	26.993
	NT2RM2000405	29.390	26.302	56.236	18.391	18.624	17.673	19.408	19.435
	NT2RM2000407	213.973	77.583	145.459	42.798	73.678	124.360	103.989	122.635
40	NT2RM2000410	46.375	23.782	29.096	10.711	13.331	26.855	27.992	20.820
	NT2RM2000420	41.781	29.100	39.676	24.872	16.605	26.730	29.136	43.708
	NT2RM2000422	400.274	145.824	265.042	51.828	73.571	186.812	131.563	125.088
	NT2RM2000423	119.707	56.663	272.757	58.213	50.981	60.353	42.529	86.903
	NT2RM2000462	44.543	24.735	36.727	13.780	10.160	32.134	23.468	26.716
	NT2RM2000469	28.062	19.762	14.685	5.603	7.485	22.242	10.716	6.249
	NT2RM2000490	57.984	29.556	42.743	16.403	19.316	38.503	21.106	31.221
45	NT2RM2000497	44.862	39.966	107.651	23.488	15.277	19.316	13.974	16.412
	NT2RM2000502	49.184	33.683	39.515	14.256	18.792	23.598	23.921	27.778
	NT2RM2000504	53.653	30.376	46.453	19.836	22.267	39.106	28.508	19.188
	NT2RM2000514	40.702	23.938	23.980	9.704	12.601	20.319	19.147	27.441
	NT2RM2000522	6.782	0.000	4.730	3.680	1.616	2.008	4.021	14.506
50	NT2RM2000540	28.543	24.938	24.326	8.984	9.799	16.595	10.471	17.045
	NT2RM2000556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	NT2RM2000565	52.454	32.231	48.697	17.373	14.758	42.730	24.240	28.218
	NT2RM2000568	31.997	22.486	34.598	11.793	7.665	32.508	18.105	35.032
	NT2RM2000567	57.110	29.153	45.058	10.738	15.606	44.727	22.394	28.766
	NT2RM2000569	113.652	91.632	187.867	40.645	36.420	58.576	40.151	50.117
	NT2RM2000577	61.308	16.114	35.195	12.694	14.986	83.608	36.221	60.695
55	NT2RM2000581	152.797	45.271	66.363	20.096	32.397	79.582	62.192	40.676

Table 66

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NT2RM2000582	96.163	83.789	104.868	37.893	45.777	67.766	50.428	50.631
NT2RM2000588	109.847	89.480	119.521	70.534	32.168	143.491	88.884	95.908
NT2RM2000589	91.130	45.398	66.143	21.774	22.548	80.656	43.864	35.379
NT2RM2000594	31.068	22.138	28.684	10.809	13.325	34.179	10.310	16.391
NT2RM2000599	275.423	132.063	221.911	86.738	66.363	237.294	209.381	119.304
NT2RM2000609	26.687	13.378	20.025	9.729	14.321	19.395	17.958	8.545
NT2RM2000612	40.704	19.012	36.338	9.471	15.531	27.049	24.872	30.269
NT2RM2000622	45.492	46.307	46.012	27.097	17.426	48.495	30.090	42.927
NT2RM2000623	279.041	219.374	245.200	90.410	123.723	286.194	221.925	144.950
NT2RM2000624	52.551	88.174	87.665	60.273	35.044	29.084	27.783	54.409
NT2RM2000632	15.461	13.673	11.853	13.378	8.044	7.114	6.910	5.808
NT2RM2000636	24.726	21.442	42.243	17.900	14.953	23.119	10.306	20.675
NT2RM2000636	45.247	47.662	62.828	24.460	33.311	28.868	35.751	35.343
NT2RM2000639	34.707	19.290	26.594	15.919	12.875	28.297	20.626	11.317
NT2RM2000649	39.662	37.102	62.088	31.152	32.252	42.335	27.796	50.424
NT2RM2000658	53.598	26.723	55.360	19.176	26.348	46.815	23.949	20.812
NT2RM2000660	84.441	62.193	66.364	13.329	36.417	48.267	23.694	40.215
NT2RM2000669	17.352	23.877	38.180	11.181	16.885	17.594	13.008	20.479
NT2RM2000689	118.126	102.565	102.237	102.435	37.057	156.147	96.539	140.413
NT2RM2000691	29.467	12.787	29.631	9.783	15.294	28.392	15.401	17.161
NT2RM2000714	238.396	61.067	122.264	38.290	60.785	222.914	188.827	77.434
NT2RM2000718	9.515	10.199	19.686	5.036	7.922	8.962	7.572	22.010
NT2RM2000732	44.022	24.869	42.915	12.209	29.863	38.637	30.201	17.415
NT2RM2000735	112.208	47.966	111.282	57.228	38.980	78.590	45.888	59.237
NT2RM2000740	23.990	62.438	143.286	24.030	26.159	35.449	22.001	29.845
NT2RM2000743	15.424	14.901	23.591	12.391	9.779	16.339	8.950	8.560
NT2RM2000772	79.885	34.020	54.908	31.068	31.256	64.893	44.735	55.557
NT2RM2000773	56.846	36.465	77.155	26.645	32.523	60.130	42.946	53.958
NT2RM2000778	56.550	40.820	69.793	43.738	22.285	89.348	33.285	45.221
NT2RM2000784	54.686	33.888	45.181	19.559	21.292	43.103	25.540	42.124
NT2RM2000795	169.462	132.660	456.283	117.450	94.702	91.566	59.832	91.914
NT2RM2000796	12.942	12.033	20.129	5.817	6.070	11.596	8.538	11.009
NT2RM2000798	67.292	147.984	71.980	42.802	43.127	85.427	63.126	132.706
NT2RM2000801	145.709	152.451	160.966	85.365	73.827	214.221	167.384	174.371
NT2RM2000821	29.716	25.994	36.976	14.293	9.638	63.476	12.133	3.427
NT2RM2000829	77.695	36.834	148.015	32.077	69.569	70.012	26.103	73.222
NT2RM2000837	85.748	27.100	51.022	19.432	22.405	48.733	36.614	45.277
NT2RM2000924	41.170	22.739	31.818	6.582	16.935	130.595	55.870	42.226
NT2RM2000930	45.514	31.120	39.165	20.017	17.433	49.111	28.135	30.171
NT2RM2000937	85.092	19.912	28.813	13.728	34.425	55.176	53.959	15.755
NT2RM2000939	63.956	41.986	59.137	18.909	23.056	57.088	26.370	29.465
NT2RM2000942	141.275	345.015	119.378	242.434	78.282	274.472	112.054	436.171
NT2RM2000951	32.383	20.717	32.763	17.041	10.179	32.704	19.494	30.498
NT2RM2000952	33.160	18.882	34.052	16.194	27.783	44.540	16.881	31.012
NT2RM2000968	54.007	44.546	57.551	30.397	27.965	78.353	44.947	77.916
NT2RM2000973	96.188	97.082	100.373	31.654	38.259	115.479	60.146	151.200
NT2RM2000983	66.024	27.357	40.970	16.277	25.768	44.322	40.901	34.882
NT2RM2000984	38.635	39.635	42.628	14.734	10.729	39.002	24.661	39.000
NT2RM2000994	38.406	43.907	36.416	29.496	24.408	22.384	18.679	31.517
NT2RM2001004	74.509	45.438	146.622	36.919	35.918	125.242	81.529	92.360
NT2RM2001022	195.677	346.056	350.501	243.410	179.341	419.711	214.981	540.668
NT2RM2001035	23.201	26.826	34.867	15.930	11.692	19.371	11.576	23.987
NT2RM2001038	18.846	16.860	28.577	14.251	9.432	21.182	12.726	12.544
NT2RM2001043	31.149	17.293	22.001	11.462	11.232	18.219	25.898	31.106
NT2RM2001050	101.638	45.617	56.097	28.126	32.674	61.600	49.621	79.938
NT2RM2001056	83.075	29.856	49.927	15.739	32.251	60.461	35.926	29.242
NT2RM2001065	21.466	21.970	40.162	20.006	27.398	26.370	15.034	14.433
NT2RM2001076	366.658	258.334	337.690	128.945	166.931	370.161	257.064	228.430
NT2RM2001083	230.683	79.913	107.950	30.576	63.142	203.365	79.590	24.253
NT2RM2001100	182.772	114.627	137.289	65.878	54.062	141.899	155.507	119.434
NT2RM2001105	101.949	70.116	85.624	50.863	39.812	104.272	87.573	85.122
NT2RM2001109	48.591	27.328	30.825	11.569	12.495	53.494	34.958	45.222
NT2RM2001110	99.871	68.967	152.982	31.616	42.715	78.028	71.894	63.509
NT2RM2001126	57.602	33.922	47.638	18.667	20.095	52.257	42.378	28.204

Table 67

NT2RM2001131	59.454	21.547	32.934	24.063	22.706	37.676	28.873	17.418
NT2RM2001141	116.250	82.599	275.090	51.756	53.614	85.069	47.274	63.199
NT2RM2001152	20.261	21.814	23.297	10.506	9.194	20.068	10.068	22.007
NT2RM2001177	44.847	43.449	52.307	26.604	19.552	41.709	26.283	55.231
NT2RM2001194	164.727	54.905	97.293	28.358	44.057	146.597	99.019	118.606
NT2RM2001195	36.939	36.245	34.818	15.750	15.727	32.602	21.861	34.274
NT2RM2001196	125.134	23.362	52.729	15.781	26.090	77.518	62.058	31.794
NT2RM2001201	56.981	42.504	62.447	20.139	31.351	68.607	32.835	44.422
NT2RM2001221	65.764	32.746	40.357	19.556	25.529	40.240	33.849	36.497
NT2RM2001238	34.807	25.200	33.023	13.254	14.872	43.011	20.155	18.493
NT2RM2001243	50.316	49.076	42.361	34.148	33.121	68.021	35.734	60.810
NT2RM2001244	39.082	47.756	54.069	35.242	30.728	59.908	22.778	50.393
NT2RM2001247	138.825	184.906	146.564	65.082	57.954	94.133	78.544	136.745
NT2RM2001256	28.147	18.773	29.336	14.133	9.881	8.739	16.106	25.473
NT2RM2001269	21.655	19.444	36.676	14.235	17.978	11.919	14.441	17.847
NT2RM2001278	105.133	67.683	225.135	41.243	42.803	61.361	51.930	64.103
NT2RM2001291	21.264	19.798	31.162	8.619	11.535	15.945	16.243	12.482
NT2RM2001294	60.754	44.696	66.102	25.820	20.715	42.950	28.321	33.134
NT2RM2001295	43.856	35.189	40.675	10.220	16.301	35.694	20.908	35.879
NT2RM2001302	30.816	16.802	26.058	10.228	12.245	25.513	14.404	12.416
NT2RM2001306	11.584	52.176	16.722	6.379	6.616	13.560	8.347	10.145
NT2RM2001312	33.361	18.866	54.572	11.148	10.119	13.848	8.526	26.714
NT2RM2001319	13.127	22.841	23.586	17.119	10.492	18.998	4.495	38.587
NT2RM2001324	103.673	83.091	165.198	32.861	22.836	56.112	31.793	39.459
NT2RM2001346	49.634	25.168	35.284	14.837	16.900	100.618	25.540	19.919
NT2RM2001380	74.152	33.097	38.122	17.360	16.021	50.562	31.265	21.915
NT2RM2001370	28.821	12.859	21.986	6.327	5.734	26.406	10.631	2.394
NT2RM2001391	16.127	5.412	27.834	4.575	4.553	14.188	3.910	9.994
NT2RM2001393	57.930	25.241	58.135	14.781	20.544	47.187	32.903	28.104
NT2RM2001420	17.272	10.676	16.079	6.774	6.751	2.717	3.157	8.464
NT2RM2001423	17.345	9.837	15.261	12.233	6.527	15.432	10.007	10.935
NT2RM2001424	196.973	74.966	136.019	35.222	48.814	142.268	95.111	56.187
NT2RM2001482	265.035	123.493	274.926	59.811	62.022	227.572	99.155	72.372
NT2RM2001498	65.942	48.790	62.383	28.605	19.730	68.321	23.722	26.475
NT2RM2001504	39.282	24.742	30.958	9.395	16.991	46.880	13.034	16.709
NT2RM2001524	24.755	14.244	24.384	8.699	10.204	16.924	9.647	14.539
NT2RM2001530	5.573	8.914	10.768	5.856	3.286	9.623	4.337	7.511
NT2RM2001533	69.137	57.026	127.055	29.970	34.159	33.371	27.483	25.268
NT2RM2001540	65.400	54.541	73.017	63.277	35.636	49.097	31.308	76.346
NT2RM2001544	18.067	19.624	25.228	12.549	7.049	19.380	11.033	9.485
NT2RM2001547	22.357	25.608	19.122	11.755	13.130	14.503	12.339	10.697
NT2RM2001558	59.623	25.861	31.696	14.111	16.568	53.758	34.606	18.325
NT2RM2001575	53.128	46.425	111.368	27.392	24.257	43.005	25.405	24.423
NT2RM2001582	59.050	42.778	132.294	24.555	24.449	28.347	22.303	22.397
NT2RM2001588	35.342	21.815	27.343	8.806	14.132	21.498	18.451	22.464
NT2RM2001592	19.456	18.542	28.436	10.182	12.538	15.234	15.478	15.460
NT2RM2001603	42.456	15.253	41.037	12.377	16.738	23.117	21.517	12.277
NT2RM2001605	60.434	36.233	43.204	13.580	20.116	41.260	20.117	15.459
NT2RM2001611	54.771	39.056	128.984	17.180	24.100	40.047	19.191	18.136
NT2RM2001613	39.500	22.894	27.679	12.321	11.577	26.696	21.149	24.773
NT2RM2001626	202.358	40.774	93.458	19.731	45.138	168.993	96.729	42.842
NT2RM2001632	30.180	45.268	47.586	25.780	18.848	32.974	21.939	45.513
NT2RM2001633	6.521	9.885	12.546	7.571	6.017	11.226	7.294	20.798
NT2RM2001635	188.515	41.783	101.462	30.227	41.863	115.049	88.246	58.313
NT2RM2001636	26.880	23.087	31.788	15.679	14.225	22.589	16.870	26.264
NT2RM2001637	13.020	5.524	6.631	4.897	11.170	10.700	20.526	5.331
NT2RM2001639	71.531	28.740	32.389	12.149	15.813	54.897	28.931	13.443
NT2RM2001641	39.297	32.462	49.334	14.630	22.002	30.556	21.763	16.776
NT2RM2001643	25.535	12.621	15.764	6.658	12.027	21.274	22.136	12.847
NT2RM2001648	26.584	18.351	24.507	8.310	6.636	18.218	14.277	13.561
NT2RM2001652	18.655	15.854	22.304	6.782	9.644	25.729	7.851	20.144
NT2RM2001659	16.893	10.861	16.538	3.750	4.964	9.228	6.172	11.278
NT2RM2001660	17.414	13.987	20.619	12.709	10.544	12.482	10.671	11.244
NT2RM2001664	32.470	29.186	27.804	16.171	15.728	29.928	13.136	17.877

Table 68

	NT2RM2001668	89.325	61.356	52.221	32.055	34.144	88.196	46.704	35.968
	NT2RM2001670	58.448	20.552	40.552	17.717	15.452	67.725	25.514	50.962
5	NT2RM2001671	31.368	15.752	21.018	19.630	8.980	62.746	15.913	35.807
	NT2RM2001675	7.281	7.210	6.726	2.026	5.059	4.678	4.675	6.219
	NT2RM2001681	6.784	7.472	11.234	3.584	7.454	5.095	5.298	21.547
	NT2RM2001686	28.752	21.105	22.148	9.525	9.058	19.334	21.485	26.746
	NT2RM2001688	35.233	25.279	43.734	11.154	11.656	30.491	20.238	33.991
	NT2RM2001695	82.068	103.403	239.543	46.305	60.347	89.201	35.903	61.706
10	NT2RM2001696	101.355	65.027	68.822	31.652	35.701	110.799	51.358	52.359
	NT2RM2001698	146.791	45.033	83.099	28.886	31.134	111.891	66.042	79.232
	NT2RM2001699	24.737	20.994	25.919	13.654	8.984	19.132	14.447	42.307
	NT2RM2001700	14.734	8.383	12.975	3.702	1.312	7.813	9.485	4.374
	NT2RM2001704	50.393	27.867	50.059	14.943	24.129	36.190	27.006	62.522
	NT2RM2001706	75.476	62.308	144.702	48.167	41.996	55.679	28.916	57.741
15	NT2RM2001714	14.876	12.916	25.654	7.345	10.946	13.341	5.670	10.957
	NT2RM2001716	294.058	99.615	122.970	48.569	68.313	188.154	109.177	48.112
	NT2RM2001718	109.052	48.161	57.895	15.717	34.379	105.548	62.864	26.050
	NT2RM2001723	20.352	14.923	16.575	7.233	8.937	39.809	8.807	9.491
	NT2RM2001727	57.044	41.046	46.272	22.665	16.545	51.332	33.590	46.539
	NT2RM2001730	27.206	22.859	24.865	8.552	9.397	19.553	13.897	12.427
20	NT2RM2001738	25.038	8.229	18.054	7.967	10.452	22.532	14.238	26.610
	NT2RM2001743	31.219	15.575	27.495	8.999	13.856	19.966	21.123	40.203
	NT2RM2001753	41.699	57.379	66.833	29.155	36.474	48.608	37.342	50.583
	NT2RM2001755	102.308	95.543	95.880	48.800	50.926	85.016	46.946	58.635
	NT2RM2001760	36.852	29.592	43.280	11.529	16.235	41.973	21.095	36.897
	NT2RM2001765	17.310	22.525	20.809	5.472	6.161	36.420	11.083	21.129
25	NT2RM2001767	507.383	198.624	244.752	82.225	86.662	313.630	261.679	156.449
	NT2RM2001768	14.334	16.852	22.405	14.516	7.327	13.653	4.371	27.736
	NT2RM2001771	33.884	31.815	59.888	20.959	19.261	40.662	26.114	70.587
	NT2RM2001778	14.653	9.177	12.741	0.999	6.577	9.552	8.651	6.525
	NT2RM2001782	49.540	17.667	39.944	11.809	19.235	60.433	38.302	42.078
	NT2RM2001784	31.529	23.807	34.905	9.620	16.512	26.774	14.749	17.008
	NT2RM2001785	73.444	32.799	54.722	14.868	28.332	74.431	52.678	40.155
30	NT2RM2001792	82.550	48.689	54.661	13.880	26.470	67.309	56.934	51.170
	NT2RM2001795	130.534	65.803	79.887	22.935	40.781	108.971	66.672	68.900
	NT2RM2001797	17.770	23.911	46.302	31.918	15.965	38.330	15.267	61.440
	NT2RM2001800	32.076	15.750	32.039	9.323	10.196	25.569	24.848	32.579
	NT2RM2001803	18.883	19.806	27.862	15.915	15.790	17.317	12.178	25.827
35	NT2RM2001805	10.973	6.105	12.362	3.395	7.748	17.242	7.464	10.576
	NT2RM2001806	41.604	28.683	30.345	12.360	14.554	35.269	18.192	22.416
	NT2RM2001813	11.155	10.752	12.187	5.926	6.671	17.463	7.004	10.764
	NT2RM2001814	16.422	18.276	19.059	5.168	10.179	14.993	12.571	9.506
	NT2RM2001818	37.340	15.047	25.378	7.060	13.614	28.082	23.903	16.747
	NT2RM2001823	13.814	13.268	12.712	4.562	7.791	10.847	8.727	7.819
40	NT2RM2001825	27.524	37.936	22.505	15.145	17.486	21.050	17.161	33.945
	NT2RM2001832	68.657	29.677	30.202	9.749	22.522	37.241	30.727	18.205
	NT2RM2001839	53.715	31.908	39.273	13.944	12.144	27.291	25.952	18.816
	NT2RM2001840	108.411	98.429	259.021	48.048	32.857	58.314	28.523	37.338
	NT2RM2001851	52.202	39.752	63.088	24.308	18.778	32.821	26.626	85.666
	NT2RM2001855	33.026	24.176	29.953	16.912	19.394	23.562	31.355	25.910
	NT2RM2001867	30.838	22.957	35.457	14.948	16.183	32.799	17.562	46.800
45	NT2RM2001869	129.599	162.083	180.222	173.694	64.737	231.277	145.176	147.129
	NT2RM2001879	14.477	14.016	20.104	6.241	7.997	18.463	6.634	17.934
	NT2RM2001883	42.649	14.914	59.041	11.657	28.809	14.670	17.172	5.396
	NT2RM2001886	31.621	19.917	31.650	19.861	14.683	19.396	24.619	18.912
	NT2RM2001887	19.995	18.787	31.384	9.308	6.192	7.945	11.032	6.537
50	NT2RM2001896	5201.332	1475.462	2605.875	738.729	8013.651	5911.225	5347.627	1306.593
	NT2RM2001902	9.512	5.176	9.030	3.230	3.539	7.418	7.583	3.383
	NT2RM2001903	63.243	40.127	55.162	28.793	22.732	77.356	28.595	48.438
	NT2RM2001930	108.255	64.649	109.195	31.339	39.123	80.005	62.289	59.426
	NT2RM2001935	36.519	23.148	18.415	4.134	11.165	15.562	19.141	10.042
	NT2RM2001936	78.536	47.939	51.879	18.980	21.013	48.576	35.554	52.419
	NT2RM2001939	23.961	5.651	21.192	6.301	5.377	17.197	7.025	5.482
55	NT2RM2001941	71.450	49.630	78.923	19.738	22.274	54.128	31.260	34.949

Table 69

NT2RM2001950	46.415	29.816	36.996	18.559	8.239	39.347	13.956	23.224
NT2RM2001952	2.871	2.886	10.623	6.195	0.000	2.538	1.848	8.237
NT2RM2001976	42.702	29.344	52.698	20.598	18.125	57.645	24.197	33.972
NT2RM2001982	20.947	25.776	25.162	18.275	10.576	18.050	9.191	14.830
NT2RM2001983	23.643	16.045	27.661	9.316	13.749	23.964	18.258	17.035
NT2RM2001984	147.043	51.662	81.658	22.066	35.725	120.259	90.102	44.130
NT2RM2001988	76.106	50.939	80.150	44.931	24.785	39.074	34.205	61.176
NT2RM2001996	37.798	41.931	43.246	23.083	19.109	45.858	26.665	31.923
NT2RM2001997	63.158	41.928	28.543	20.691	22.046	58.320	33.747	34.764
NT2RM2001998	47.869	29.374	50.969	17.042	23.450	45.874	22.546	20.062
NT2RM2001999	23.045	23.925	34.107	16.137	19.923	26.601	19.613	27.167
NT2RM2002003	60.554	45.534	133.518	30.271	23.148	57.270	34.688	36.304
NT2RM2002004	16.782	14.896	24.193	8.483	9.918	13.788	12.592	4.939
NT2RM2002009	22.784	26.292	37.573	16.205	17.990	24.047	10.371	17.159
NT2RM2002014	12.027	11.499	20.605	9.676	8.686	10.127	8.085	17.091
NT2RM2002019	45.009	49.617	61.370	29.641	24.044	45.990	20.852	29.924
NT2RM2002029	100.329	58.955	73.738	25.096	36.513	90.878	44.848	41.854
NT2RM2002030	53.030	36.122	48.637	23.542	18.217	49.856	26.265	32.557
NT2RM2002034	55.319	58.655	69.310	15.775	34.969	119.355	37.851	31.637
NT2RM2002049	30.306	26.333	67.224	12.461	13.486	32.196	19.763	26.143
NT2RM2002055	4.746	9.322	10.601	1.567	3.475	2.738	4.711	1.253
NT2RM2002072	274.106	142.825	221.668	99.170	111.051	240.179	193.919	147.089
NT2RM2002088	66.101	43.548	67.009	20.108	29.769	38.434	34.203	37.710
NT2RM2002091	157.752	85.255	103.301	42.530	51.107	91.971	64.745	58.827
NT2RM2002100	36.481	42.661	83.563	34.382	22.604	42.960	30.266	45.203
NT2RM2002109	65.961	25.178	54.629	11.426	17.601	56.066	33.542	37.167
NT2RM2002128	271.768	145.370	244.199	79.521	110.686	272.182	195.547	168.748
NT2RM2002128	30.978	20.989	35.773	13.699	15.221	20.446	37.022	29.430
NT2RM2002129	53.911	38.709	50.544	14.507	24.022	54.089	40.427	15.416
NT2RM2002142	157.794	95.271	127.900	44.871	54.994	121.896	116.748	122.762
NT2RM2002144	39.141	23.769	42.061	18.362	18.425	90.424	32.619	22.086
NT2RM2002146	69.465	33.538	54.629	19.065	28.804	64.861	31.013	26.312
NT2RM2002153	57.982	34.658	45.808	37.204	22.363	85.615	33.856	45.468
NT2RM2002163	46.164	22.611	32.853	10.533	12.313	28.767	18.529	24.578
NT2RM2002170	20.367	15.918	26.954	17.854	7.659	21.614	6.584	31.812
NT2RM2002178	72.826	29.934	35.113	17.819	17.814	57.676	53.788	36.064
NT2RM2002179	20.487	16.890	26.778	4.596	7.536	27.483	11.691	22.514
NT2RM2002270	75.965	30.835	59.481	19.162	23.264	67.579	38.824	31.179
NT2RM2002326	25.054	17.109	25.901	10.631	13.295	20.170	15.155	11.219
NT2RM2002337	49.808	30.430	44.382	14.424	20.214	49.783	38.536	36.266
NT2RM2002339	126.783	46.855	62.446	22.680	35.280	129.046	67.853	46.026
NT2RM2002346	34.662	27.251	30.489	17.636	9.930	27.503	20.940	24.302
NT2RM2002368	53.018	67.271	118.627	55.152	36.416	61.876	35.957	79.909
NT2RM2002381	29.049	17.380	20.968	5.965	9.584	35.715	13.371	27.731
NT2RM2002424	23.738	30.901	58.344	39.163	17.434	49.768	25.216	77.325
NT2RM2002450	40.370	29.536	64.082	14.242	16.219	34.988	19.676	33.464
NT2RM2002482	44.705	26.737	46.955	14.769	18.437	42.664	46.045	30.188
NT2RM2002492	113.197	127.579	109.738	72.932	49.321	103.335	74.905	97.173
NT2RM2002578	112.457	88.605	247.074	59.323	48.212	80.685	45.794	62.455
NT2RM2002580	64.838	62.853	111.962	57.513	26.109	85.998	30.240	69.813
NT2RM2002592	110.441	70.152	96.103	45.340	44.856	104.438	69.434	96.173
NT2RM2002608	20.462	46.581	29.949	14.231	13.430	29.384	17.823	61.212
NT2RM2002615	33.564	24.375	25.868	12.468	16.085	46.176	71.069	33.280
NT2RM2002622	95.365	53.669	62.071	44.205	38.612	108.504	47.073	91.258
NT2RM2002630	118.784	86.444	276.792	68.615	58.079	85.846	51.946	80.285
NT2RM2002634	36.887	30.749	31.825	22.948	20.353	42.111	32.736	22.117
NT2RM2002646	51.215	209.069	58.292	23.942	32.501	97.660	24.132	61.537
NT2RM2002648	69.318	57.452	61.629	25.645	19.295	50.329	23.768	24.267
NT2RM2002647	31.140	27.535	50.514	14.850	14.557	35.612	29.190	42.269
NT2RM2002662	42.576	30.866	34.782	11.897	12.829	46.172	14.955	30.578
NT2RM2002692	53.871	40.724	63.208	39.953	38.748	37.914	30.444	71.284
NT2RM2002721	81.740	78.721	123.105	75.203	80.050	98.931	44.593	72.005
NT2RM2002748	91.982	206.064	112.357	241.969	54.156	135.810	67.060	228.776
NT2RM2002764	46.071	41.769	48.814	22.081	22.119	34.365	32.761	36.777

Table 70

	NY2RM2002772	80.296	40.944	68.101	23.056	28.389	72.818	41.505	60.302
	NY2RM2002811	63.439	38.909	43.044	17.983	20.375	56.523	23.815	28.434
5	NY2RM2002818	50.605	52.430	151.915	32.193	19.702	26.680	17.380	40.512
	NY2RM2002879	24.562	28.586	34.172	8.860	6.095	18.514	12.159	30.354
	NY2RM2002979	84.387	41.192	53.776	21.436	31.083	74.067	53.736	47.429
	NY2RM2002981	59.340	25.706	33.191	11.478	15.597	54.899	35.830	32.861
	NY2RM2002995	42.179	21.303	31.267	13.206	10.830	32.109	30.448	42.538
	NY2RM2003031	44.114	29.430	46.063	16.774	17.437	43.222	40.155	25.053
10	NY2RM2003042	106.509	160.917	155.488	83.058	73.174	152.473	69.308	122.583
	NY2RM2003044	33.909	33.603	47.142	12.698	45.517	25.310	25.508	29.529
	NY2RM2003090	47.953	25.520	41.051	9.604	15.180	34.197	23.552	25.659
	NY2RM2003095	43.943	31.580	32.103	11.759	18.398	29.592	34.666	28.874
	NY2RM2003116	20.590	18.126	22.701	10.734	10.194	11.727	12.203	14.479
	NY2RM2003222	21.398	10.313	27.148	5.349	13.395	13.068	20.550	25.145
15	NY2RM2003224	110.266	37.406	48.819	30.835	29.947	80.454	57.677	53.588
	NY2RM2003250	30.062	26.498	38.776	15.773	16.547	23.997	24.660	26.915
	NY2RM2003258	12.707	12.077	15.752	5.247	7.979	8.239	5.752	8.852
	NY2RM2003262	37.575	42.567	50.603	27.374	33.378	31.965	35.375	43.803
	NY2RM4000023	49.690	44.882	57.421	17.352	24.868	53.007	25.083	35.943
	NY2RM4000024	33.710	23.142	26.564	7.803	10.308	34.976	25.466	17.156
20	NY2RM4000027	6.576	5.402	9.541	2.488	3.969	5.783	1.681	9.230
	NY2RM4000030	107.340	43.649	64.579	25.595	27.984	81.398	45.801	45.851
	NY2RM4000033	54.521	41.188	116.087	19.883	18.324	26.028	14.764	29.244
	NY2RM4000034	8.646	20.135	21.495	9.212	9.086	13.100	7.920	12.176
	NY2RM4000046	42.055	17.446	23.148	8.687	9.540	32.532	23.736	18.823
	NY2RM4000052	23.740	17.236	25.146	8.065	5.341	17.707	13.080	13.561
25	NY2RM4000054	440.502	221.475	352.643	107.153	132.322	410.274	281.112	209.475
	NY2RM4000061	30.264	15.792	27.807	5.396	10.845	21.557	14.902	4.276
	NY2RM4000074	8.073	35.126	41.073	20.510	9.480	34.431	24.493	47.368
	NY2RM4000085	22.897	19.315	23.277	16.541	12.977	24.111	12.451	24.618
	NY2RM4000086	50.715	22.670	78.725	20.299	18.217	28.085	16.663	27.361
	NY2RM4000100	17.872	21.935	15.019	10.707	10.091	15.556	12.260	12.129
30	NY2RM4000101	42.770	15.330	25.674	5.552	7.785	24.576	15.561	5.064
	NY2RM4000102	407.848	190.329	321.537	152.733	208.613	334.316	212.009	231.229
	NY2RM4000104	23.885	13.626	17.310	3.131	7.950	21.156	10.845	7.969
	NY2RM4000115	32.088	10.072	16.134	5.693	9.226	13.512	10.582	7.588
	NY2RM4000129	36.681	21.490	22.965	12.521	11.849	23.308	16.146	10.761
	NY2RM4000139	25.930	23.620	31.564	24.607	22.610	18.556	14.008	44.620
	NY2RM4000149	33.404	17.925	29.734	13.712	15.989	18.474	26.736	42.075
35	NY2RM4000155	21.566	44.820	46.750	15.598	16.524	14.928	9.733	8.224
	NY2RM4000156	16.586	6.239	5.822	3.387	3.958	28.594	7.207	15.119
	NY2RM4000167	20.171	16.879	15.859	11.667	2.739	8.443	3.474	21.050
	NY2RM4000169	30.428	28.089	36.443	24.244	11.338	20.566	13.227	60.152
	NY2RM4000191	52.656	25.321	40.946	12.980	18.787	41.092	35.047	38.394
	NY2RM4000197	15.240	11.946	16.612	2.282	13.434	15.387	8.823	5.757
40	NY2RM4000198	88.525	63.904	196.728	39.089	37.803	49.371	63.195	32.774
	NY2RM4000199	52.380	24.904	46.280	17.110	18.960	33.287	27.322	30.945
	NY2RM4000200	33.395	16.462	28.537	10.600	16.103	20.714	14.030	6.949
	NY2RM4000202	30.208	20.922	42.468	9.182	9.970	16.908	10.274	12.811
	NY2RM4000210	66.407	27.815	30.474	15.335	16.812	41.212	27.389	47.172
	NY2RM4000215	25.869	24.845	36.251	22.848	13.152	31.488	12.403	27.548
45	NY2RM4000220	47.201	39.573	38.877	20.267	19.583	51.592	35.424	51.912
	NY2RM4000229	38.395	26.396	42.302	13.878	14.171	29.316	28.242	16.590
	NY2RM4000231	54.697	33.959	43.440	18.016	23.895	29.537	28.746	34.406
	NY2RM4000233	209.479	90.187	137.270	36.159	66.994	160.853	100.732	62.966
	NY2RM4000244	16.916	9.010	13.401	4.357	9.911	12.907	8.771	8.963
	NY2RM4000261	43.833	19.474	33.500	11.060	16.673	31.966	32.833	8.105
50	NY2RM4000255	35.799	17.398	36.446	10.625	12.098	29.741	23.847	15.929
	NY2RM4000265	102.046	79.778	222.138	64.769	51.026	72.136	39.083	49.420
	NY2RM4000283	285.571	172.391	189.067	109.857	94.953	255.306	162.352	166.824
	NY2RM4000284	23.615	36.279	30.562	12.441	17.835	25.501	27.248	34.927
	NY2RM4000290	74.673	36.613	57.081	15.623	22.008	73.912	45.709	43.178
	NY2RM4000295	24.000	18.871	22.693	8.987	11.022	47.890	18.701	14.976
55	NY2RM4000306	140.029	42.148	61.817	18.306	78.561	140.760	92.030	34.220

Table 71

	NT2RM4000307	20.678	19.168	22.141	9.050	9.145	23.385	14.343	13.754
	NT2RM4000309	41.662	20.618	26.408	8.581	10.787	30.894	18.116	11.868
5	NT2RM4000313	36.434	20.403	33.260	17.080	12.239	39.520	34.145	43.040
	NT2RM4000318	52.262	31.467	139.471	20.774	17.880	23.820	17.441	19.608
	NT2RM4000324	51.333	27.748	39.958	9.932	17.995	63.248	27.625	42.800
	NT2RM4000326	32.179	16.471	20.536	8.435	10.621	23.791	17.926	20.620
	NT2RM4000327	60.230	58.958	198.666	39.302	28.376	44.008	20.961	43.734
	NT2RM4000344	63.708	65.489	173.360	38.949	27.536	34.270	15.519	42.106
10	NT2RM4000349	30.022	14.663	14.070	7.442	10.197	22.535	12.455	16.210
	NT2RM4000354	46.698	15.085	27.013	11.329	7.922	27.895	13.694	15.005
	NT2RM4000356	32.497	24.336	32.372	13.972	11.464	43.673	31.608	29.630
	NT2RM4000366	528.262	330.865	423.109	167.985	170.232	378.411	215.606	442.307
	NT2RM4000368	51.220	51.300	153.236	33.445	22.538	43.253	17.539	64.383
	NT2RM4000373	25.297	22.861	32.020	19.516	16.128	25.045	13.784	37.614
	NT2RM4000386	22.576	9.738	24.078	8.987	9.704	21.730	24.414	23.758
15	NT2RM4000395	61.364	79.696	124.563	37.133	40.433	107.248	46.227	46.047
	NT2RM4000414	159.474	69.130	69.911	18.566	40.333	119.002	79.051	21.561
	NT2RM4000417	15.712	20.634	23.502	7.213	7.502	15.030	7.412	1.667
	NT2RM4000421	15.106	14.708	19.062	8.549	6.469	15.114	8.074	20.588
	NT2RM4000426	101.441	83.854	259.486	55.511	39.319	53.250	31.739	69.026
20	NT2RM4000433	51.457	24.650	39.654	12.379	16.608	41.763	37.139	36.708
	NT2RM4000436	51.207	21.755	29.307	13.444	12.333	34.290	27.223	37.320
	NT2RM4000444	40.864	26.268	67.826	11.797	17.600	39.060	23.113	28.672
	NT2RM4000457	63.983	39.080	61.124	23.292	28.748	50.040	26.813	31.965
	NT2RM4000471	41.652	29.088	37.803	8.939	15.093	35.469	20.877	14.796
	NT2RM4000472	68.502	62.228	206.357	48.752	23.646	77.597	28.412	104.099
	NT2RM4000486	30.140	26.427	28.452	18.097	7.542	22.184	12.697	24.533
25	NT2RM4000490	51.124	23.641	42.235	9.300	14.683	56.785	25.625	17.105
	NT2RM4000496	110.770	31.642	65.060	13.739	27.500	68.720	52.247	37.631
	NT2RM4000505	134.100	84.063	126.035	43.665	56.053	130.720	81.120	71.520
	NT2RM4000511	73.441	160.671	81.146	172.018	35.906	98.128	55.037	164.299
	NT2RM4000514	24.804	23.670	34.085	13.945	18.589	32.103	21.758	11.170
	NT2RM4000515	56.528	99.798	88.516	40.030	41.279	67.061	40.210	72.202
30	NT2RM4000517	94.295	97.384	143.107	76.451	43.905	144.940	69.520	145.604
	NT2RM4000520	13.459	13.780	16.902	5.273	5.564	7.899	7.054	14.968
	NT2RM4000531	29.188	24.283	26.738	11.063	12.826	18.929	23.443	20.712
	NT2RM4000532	14.395	12.711	19.277	9.437	8.520	12.914	15.215	13.835
	NT2RM4000533	18.380	13.704	18.165	8.534	7.454	15.515	10.288	7.686
	NT2RM4000534	17.803	11.768	18.975	7.585	10.236	14.119	11.420	19.497
35	NT2RM4000583	53.983	34.056	51.401	17.700	36.352	45.609	32.373	33.367
	NT2RM4000566	36.586	22.989	35.859	9.957	21.078	25.668	24.949	21.224
	NT2RM4000568	59.423	29.845	36.652	12.139	25.850	70.617	54.001	29.192
	NT2RM4000586	48.810	27.673	38.443	12.701	20.510	33.948	23.868	27.346
	NT2RM4000587	29.705	26.644	25.876	12.729	11.927	16.240	17.926	19.718
	NT2RM4000590	32.164	21.289	29.186	8.941	11.617	18.856	16.495	13.544
40	NT2RM4000593	61.080	32.766	38.970	15.411	20.360	33.032	30.484	25.715
	NT2RM4000696	41.141	22.473	35.313	9.766	11.448	11.237	20.012	12.069
	NT2RM4000603	78.976	52.410	58.176	24.639	24.042	50.072	40.363	31.910
	NT2RM4000611	15.953	10.734	13.469	9.013	8.977	10.161	7.157	22.979
	NT2RM4000616	45.814	37.309	35.175	17.505	23.768	40.117	27.918	39.007
	NT2RM4000621	57.493	77.709	73.014	76.819	24.081	71.204	46.769	83.169
	NT2RM4000648	28.637	18.518	26.908	8.210	13.083	15.965	12.644	11.022
45	NT2RM4000649	85.058	41.743	59.668	13.629	29.612	55.983	39.586	36.405
	NT2RM4000658	135.688	61.028	120.722	28.197	43.765	79.777	46.011	96.630
	NT2RM4000661	71.864	99.345	52.294	18.409	29.132	62.897	45.030	41.904
	NT2RM4000673	135.680	61.584	75.017	24.321	20.618	70.048	46.608	45.107
	NT2RM4000674	75.722	36.633	51.480	16.765	16.961	34.561	42.749	30.664
	NT2RM4000689	41.790	28.540	39.966	15.401	8.448	22.615	15.641	20.045
50	NT2RM4000698	61.169	46.347	64.951	24.102	41.257	63.885	38.390	29.637
	NT2RM4000700	27.239	106.106	27.114	9.273	11.699	12.813	14.815	12.082
	NT2RM4000701	227.264	115.040	182.483	47.970	70.324	76.813	128.958	65.330
	NT2RM4000712	43.183	27.951	46.394	10.240	14.368	19.562	26.208	16.644
	NT2RM4000717	34.386	22.333	19.262	10.038	12.975	19.299	13.148	20.540
55	NT2RM4000733	75.958	43.996	58.928	24.743	28.885	88.871	65.331	37.193

Table 72

NT2RM4000734	24.197	38.270	53.725	16.970	13.155	39.087	23.333	39.227
NT2RM4000741	43.844	13.589	30.427	10.346	8.744	26.119	12.592	26.083
NT2RM4000744	50.833	14.548	25.024	23.480	10.805	62.136	17.742	83.553
NT2RM4000749	80.902	71.083	91.633	27.354	60.031	198.030	52.328	100.669
NT2RM4000751	22.688	29.768	53.788	53.315	27.282	19.811	22.272	42.714
NT2RM4000752	52.247	32.866	40.812	14.427	15.224	9.355	23.407	43.927
NT2RM4000760	33.235	16.169	27.997	11.989	19.412	13.254	10.563	10.820
NT2RM4000761	2403.264	848.134	3887.956	172.265	1449.525	4450.958	2359.029	400.128
NT2RM4000764	301.709	144.132	163.494	49.659	143.743	257.369	245.639	103.045
NT2RM4000768	11.747	9.247	11.542	9.135	9.038	10.345	6.336	11.267
NT2RM4000778	6.893	5.725	9.950	5.466	4.458	5.886	5.079	5.685
NT2RM4000779	238.073	96.516	182.851	51.850	99.170	184.671	138.565	75.926
NT2RM4000787	69.121	57.977	157.708	28.426	29.213	21.609	22.633	11.420
NT2RM4000790	60.309	46.026	83.182	23.988	30.494	22.815	35.485	31.417
NT2RM4000795	453.425	108.548	204.710	17.809	92.365	272.802	147.653	47.088
NT2RM4000796	144.288	57.098	70.720	23.213	47.104	97.550	50.426	30.942
NT2RM4000798	59.938	28.301	25.839	10.244	18.327	23.444	20.572	11.548
NT2RM4000800	150.768	122.487	195.880	137.376	57.284	146.130	97.369	185.366
NT2RM4000813	37.084	20.876	36.294	12.655	14.527	25.975	22.848	11.921
NT2RM4000820	86.855	60.381	192.196	39.751	37.738	50.427	35.797	26.747
NT2RM4000827	41.788	28.006	51.622	20.945	21.631	21.541	30.438	31.570
NT2RM4000830	68.078	30.965	59.647	20.203	26.347	37.484	30.029	44.496
NT2RM4000833	111.407	74.480	77.732	17.832	39.802	56.697	25.292	36.404
NT2RM4000841	49.942	45.599	72.313	16.308	20.094	29.644	26.188	28.854
NT2RM4000846	104.561	76.278	275.932	57.490	49.037	63.058	36.772	14.948
NT2RM4000848	125.196	36.830	101.007	17.584	32.806	82.740	51.262	19.922
NT2RM4000852	113.009	77.800	126.639	43.464	43.880	57.479	52.365	44.156
NT2RM4000856	64.608	50.229	146.326	22.844	23.661	28.928	25.813	51.332
NT2RM4000859	24.418	19.759	24.141	10.385	14.916	34.345	18.598	11.625
NT2RM4000868	16.564	14.752	14.556	11.565	9.114	12.226	17.324	12.029
NT2RM4000870	55.531	47.020	57.798	18.791	30.154	39.778	25.127	26.057
NT2RM4000879	103.887	41.773	56.495	12.837	31.154	67.942	43.586	22.044
NT2RM4000882	81.982	42.561	80.304	22.840	38.713	36.853	45.646	48.992
NT2RM4000887	151.731	36.758	112.092	22.645	40.960	98.527	85.229	22.008
NT2RM4000895	84.679	41.293	172.935	28.755	27.724	44.297	19.644	26.291
NT2RM4000897	45.994	42.630	58.329	17.578	25.299	44.317	41.019	30.575
NT2RM4000901	13.138	13.528	18.046	7.930	5.669	7.738	9.304	5.798
NT2RM4000950	13.710	21.028	17.402	10.585	11.390	13.090	8.272	13.397
NT2RM4000965	54.459	36.282	50.127	15.952	25.327	23.064	21.414	26.049
NT2RM4000971	41.258	27.847	39.604	12.433	17.061	22.230	20.025	17.430
NT2RM4000979	33.580	21.677	32.692	7.475	11.647	22.259	16.549	12.389
NT2RM4000987	51.537	23.981	27.883	11.309	12.974	42.714	19.808	18.064
NT2RM4000989	43.246	16.680	33.780	10.504	10.430	22.581	33.282	15.269
NT2RM4000991	6.595	8.954	14.910	4.216	4.093	24.193	3.472	15.581
NT2RM4000992	61.901	44.659	179.747	37.378	29.327	33.667	22.750	38.582
NT2RM4000996	12.902	17.829	47.104	22.304	9.589	16.133	12.379	41.017
NT2RM4000997	139.754	107.958	216.478	45.750	59.135	79.871	47.855	52.159
NT2RM4001001	222.229	90.117	123.641	25.902	74.114	102.439	120.879	88.667
NT2RM4001002	22.453	23.223	34.127	15.841	13.942	17.616	10.393	26.669
NT2RM4001016	39.433	22.372	27.844	7.677	15.230	29.791	22.346	14.840
NT2RM4001025	123.159	184.713	262.665	136.422	89.809	167.042	104.628	258.452
NT2RM4001027	1.003	0.083	0.000	0.188	1.139	0.903	0.000	13.341
NT2RM4001032	15.446	8.560	20.283	7.827	10.702	9.129	9.798	10.321
NT2RM4001047	18.565	7.922	16.869	2.924	7.503	4.130	9.323	18.916
NT2RM4001049	87.157	64.640	99.050	20.618	35.192	44.265	24.923	27.816
NT2RM4001051	45.597	65.440	63.291	17.761	11.312	31.198	20.661	24.358
NT2RM4001052	83.704	54.084	58.884	12.670	16.509	36.706	54.060	39.934
NT2RM4001053	55.548	69.868	192.178	27.160	24.862	42.613	24.525	28.003
NT2RM4001054	29.223	12.533	27.929	5.313	10.023	15.125	15.911	14.263
NT2RM4001059	181.587	40.368	91.633	17.857	33.606	105.399	88.210	64.703
NT2RM4001071	29.020	21.136	81.470	8.928	13.093	5.999	16.142	11.555
NT2RM4001084	42.690	28.922	39.816	12.808	14.924	24.390	23.123	13.779
NT2RM4001092	102.531	57.027	86.268	31.684	25.916	49.946	45.616	58.081
NT2RM4001100	43.266	33.448	49.943	8.293	19.072	24.126	16.221	46.701

Table 73

	NY2RM4001116	27.726	26.051	28.521	6.793	9.001	18.038	14.406	8.177
	NY2RM4001119	56.668	21.890	35.980	9.796	15.859	38.916	35.588	15.608
5	NY2RM4001140	136.817	79.720	322.522	72.609	64.281	53.073	51.451	56.047
	NY2RM4001148	238.824	52.972	84.009	18.224	62.535	137.805	147.073	38.797
	NY2RM4001151	49.119	18.810	31.963	9.013	18.522	24.362	37.118	17.496
	NY2RM4001155	51.322	26.524	38.663	9.832	19.192	16.401	24.191	12.958
	NY2RM4001157	29.926	19.538	29.560	8.442	11.794	23.764	9.393	5.071
	NY2RM4001160	72.399	50.574	60.230	13.285	29.392	49.862	35.181	33.807
10	NY2RM4001163	150.688	70.942	95.070	47.204	58.092	77.447	65.645	40.117
	NY2RM4001187	46.613	33.666	37.323	10.669	19.756	22.493	19.909	13.410
	NY2RM4001191	62.821	78.568	138.398	23.085	37.250	19.851	28.068	31.505
	NY2RM4001200	48.487	41.856	115.958	43.120	35.674	29.433	29.755	46.933
	NY2RM4001203	29.740	33.257	26.183	10.711	18.414	17.515	13.820	29.510
	NY2RM4001204	85.368	2.729	5.406	1.939	1.539	2.503	5.782	1.987
15	NY2RM4001217	22.326	14.483	20.894	6.910	10.252	17.142	14.178	16.377
	NY2RM4001245	102.964	61.341	59.224	17.873	32.330	47.902	39.713	28.855
	NY2RM4001247	60.472	48.248	105.685	27.869	20.131	20.633	22.912	17.998
	NY2RM4001256	38.132	20.867	27.791	11.662	11.297	22.362	18.443	14.221
	NY2RM4001258	13.173	14.508	15.622	2.115	6.064	10.903	11.147	31.184
	NY2RM4001267	18.994	10.887	19.555	6.271	8.494	3.421	7.779	13.809
20	NY2RM4001273	57.388	34.293	59.413	25.522	17.714	21.978	30.691	39.740
	NY2RM4001281	52.686	24.825	33.241	13.708	11.390	31.923	19.522	23.080
	NY2RM4001286	481.183	1240.433	782.259	477.895	296.841	681.688	413.930	936.577
	NY2RM4001290	25.298	23.154	13.373	6.552	0.000	12.469	8.723	14.611
	NY2RM4001309	48.445	24.031	36.511	15.060	18.354	33.040	18.409	21.487
	NY2RM4001313	61.618	55.950	171.030	27.704	18.541	31.137	15.527	37.397
25	NY2RM4001316	49.175	40.348	93.903	19.571	16.907	28.903	20.127	14.212
	NY2RM4001320	73.145	43.895	149.769	28.755	24.031	24.203	22.793	27.654
	NY2RM4001321	49.367	26.564	28.912	10.370	15.275	21.145	21.285	20.579
	NY2RM4001325	38.855	43.433	53.158	15.234	25.333	31.624	26.184	15.840
	NY2RM4001333	48.466	17.343	99.002	20.144	115.167	148.955	12.312	8.170
	NY2RM4001340	30.804	28.992	40.576	27.062	32.009	10.155	18.551	26.573
	NY2RM4001344	30.624	35.082	39.200	12.067	12.525	9.910	11.004	11.417
30	NY2RM4001347	14.549	14.881	29.888	17.857	13.229	14.366	8.959	54.748
	NY2RM4001357	58.256	26.928	40.000	14.812	13.213	104.908	348.697	7.592
	NY2RM4001360	86.082	33.099	53.959	12.261	27.140	48.858	36.604	20.008
	NY2RM4001371	57.075	37.841	49.730	24.239	25.868	54.098	8.910	31.242
	NY2RM4001377	101.216	75.138	68.626	19.407	36.169	52.589	30.583	31.839
	NY2RM4001382	56.509	78.201	56.186	36.607	24.700	70.227	41.803	88.511
35	NY2RM4001384	13.506	11.432	7.793	6.199	7.970	12.881	6.788	7.108
	NY2RM4001400	21.837	16.958	21.913	10.795	7.913	16.255	9.524	12.188
	NY2RM4001409	28.309	17.011	26.656	8.796	12.960	23.632	14.054	20.949
	NY2RM4001410	29.072	19.001	30.578	8.925	14.550	18.489	21.014	17.448
	NY2RM4001411	8.505	7.030	30.358	2.388	3.324	0.962	1.969	1.931
	NY2RM4001412	59.413	25.935	59.821	15.231	22.577	30.927	24.563	11.190
40	NY2RM4001414	64.093	33.321	33.046	9.873	26.265	24.538	20.805	20.958
	NY2RM4001436	33.680	29.671	20.088	7.331	12.620	14.939	11.468	14.185
	NY2RM4001437	70.569	41.529	158.116	28.707	19.302	25.565	23.649	23.787
	NY2RM4001444	63.099	33.815	51.190	21.250	36.920	56.421	41.830	35.180
	NY2RM4001454	15.293	18.251	33.213	14.589	11.226	13.235	7.237	9.931
	NY2RM4001455	8.636	7.947	12.910	5.235	6.864	7.007	13.432	28.743
45	NY2RM4001483	74.168	64.931	192.825	43.272	33.854	44.722	22.451	46.563
	NY2RM4001489	27.884	28.159	36.108	13.377	14.505	16.628	23.221	19.361
	NY2RM4001495	260.493	117.396	133.602	31.705	64.659	91.833	54.255	51.382
	NY2RM4001499	68.936	37.210	73.295	19.265	26.638	41.151	25.000	25.754
	NY2RM4001515	11.646	7.906	18.332	5.318	7.167	15.640	6.612	8.512
	NY2RM4001519	12.556	9.937	20.664	5.346	32.689	10.138	7.966	8.328
50	NY2RM4001522	71.440	69.438	164.718	40.425	35.841	32.755	19.774	38.742
	NY2RM4001523	24.710	16.532	29.750	8.848	11.883	12.279	19.569	31.077
	NY2RM4001550	24.908	22.060	34.537	19.909	20.432	20.143	15.284	28.090
	NY2RM4001553	73.682	40.371	52.795	27.094	23.686	46.848	27.034	27.166
	NY2RM4001554	53.585	30.046	33.134	23.878	15.283	26.877	16.771	20.649
	NY2RM4001557	19.423	19.434	24.184	11.971	12.237	21.486	7.653	15.404
55	NY2RM4001565	65.552	37.852	90.440	18.538	17.294	23.128	23.413	18.629

Table 74

	NT2RM4001566	100.946	48.659	87.457	28.565	28.860	79.976	52.286	9.785
	NT2RM4001569	7.010	5.598	41.076	3.288	8.597	0.901	6.611	1.304
5	NT2RM4001579	41.258	24.859	37.584	7.247	15.119	35.411	21.050	31.905
	NT2RM4001582	36.827	23.162	29.372	10.109	10.956	22.015	19.971	25.442
	NT2RM4001589	57.574	32.795	61.841	23.877	20.226	47.320	41.167	35.619
	NT2RM4001592	32.950	21.429	32.007	7.221	14.392	17.425	7.965	10.850
	NT2RM4001594	55.970	26.805	46.827	13.556	21.275	46.488	34.751	25.706
	NT2RM4001597	113.189	66.565	189.284	38.307	35.658	51.457	41.254	42.293
10	NT2RM4001605	16.347	11.865	18.084	2.805	4.141	11.032	9.672	10.297
	NT2RM4001609	173.865	587.184	265.155	76.761	120.584	182.319	73.643	191.832
	NT2RM4001610	89.090	32.924	55.024	13.942	38.114	56.107	36.218	28.535
	NT2RM4001611	30.709	14.204	28.060	6.394	11.242	12.361	22.333	13.486
	NT2RM4001618	77.313	59.231	178.569	26.795	28.633	44.101	23.934	50.341
	NT2RM4001622	42.484	50.813	37.378	16.153	35.073	39.451	29.062	30.213
15	NT2RM4001624	55.088	36.243	39.342	10.093	11.389	25.162	26.300	19.356
	NT2RM4001626	165.457	44.283	55.076	16.243	29.704	87.349	62.707	32.707
	NT2RM4001629	23.424	34.729	31.319	10.721	9.407	17.262	17.006	17.599
	NT2RM4001632	49.318	105.740	108.162	80.539	33.853	62.834	39.339	102.299
	NT2RM4001642	26.758	24.864	25.229	7.187	11.536	12.746	15.743	16.315
	NT2RM4001647	140.643	83.479	257.397	53.466	49.798	64.749	33.054	65.546
20	NT2RM4001650	20.039	17.016	26.536	7.633	8.417	10.663	14.969	25.969
	NT2RM4001662	93.433	61.261	62.868	18.713	28.801	43.545	39.576	18.233
	NT2RM4001666	99.250	58.594	135.514	19.947	25.792	43.075	21.822	28.747
	NT2RM4001670	108.596	50.059	60.195	8.767	26.897	80.647	55.639	44.557
	NT2RM4001682	23.010	37.857	52.107	34.229	26.474	24.078	19.040	48.902
	NT2RM4001710	71.974	22.009	43.652	12.553	17.193	33.805	36.338	25.346
25	NT2RM4001712	30.145	17.963	29.768	6.775	12.959	13.705	17.401	11.444
	NT2RM4001714	39.284	71.253	45.168	23.590	23.852	34.014	32.992	44.464
	NT2RM4001715	39.876	47.568	68.485	29.814	28.676	29.317	23.694	38.125
	NT2RM4001727	18.826	18.671	24.630	8.765	12.634	14.525	9.624	7.446
	NT2RM4001731	163.786	60.747	103.744	21.266	23.073	109.348	70.159	88.870
	NT2RM4001735	25.147	42.977	27.836	33.257	23.484	16.531	22.623	48.984
	NT2RM4001739	29.621	22.031	33.503	11.627	16.721	10.593	7.382	14.863
30	NT2RM4001741	117.616	80.979	99.834	34.861	34.797	49.703	68.739	91.553
	NT2RM4001746	61.847	44.910	113.561	21.148	31.787	37.464	33.824	23.274
	NT2RM4001754	72.161	34.709	70.656	13.473	25.420	34.023	22.194	15.154
	NT2RM4001757	38.117	23.659	28.972	12.593	10.724	21.161	24.761	19.803
	NT2RM4001758	24.391	23.518	27.924	5.579	12.781	14.153	7.027	6.943
	NT2RM4001768	51.099	53.221	60.158	17.044	37.261	58.428	34.390	27.280
35	NT2RM4001776	15.024	11.154	13.303	2.644	9.532	9.892	6.237	4.050
	NT2RM4001776	24.497	20.843	16.325	5.116	12.075	8.815	13.233	6.515
	NT2RM4001783	44.218	34.754	35.521	11.654	27.683	28.899	24.397	19.284
	NT2RM4001793	75.698	74.949	146.739	24.426	38.218	21.996	28.324	24.241
	NT2RM4001810	25.287	22.294	22.627	8.986	12.014	13.754	22.602	19.691
	NT2RM4001819	108.290	15.721	11.311	3.071	4.660	7.061	9.406	9.278
40	NT2RM4001818	55.110	32.332	35.827	10.603	18.181	30.893	25.538	20.147
	NT2RM4001819	221.187	103.477	118.661	33.955	61.689	117.958	105.557	45.891
	NT2RM4001823	31.566	19.207	30.580	9.100	12.589	18.948	23.046	12.498
	NT2RM4001828	33.606	37.243	60.904	39.892	17.528	62.576	22.264	20.662
	NT2RM4001835	31.946	48.485	36.681	12.402	10.874	32.404	26.073	33.367
	NT2RM4001836	68.101	53.948	86.019	25.292	41.216	44.492	46.063	49.677
45	NT2RM4001841	77.551	75.005	64.963	39.736	29.180	60.179	38.346	53.737
	NT2RM4001842	41.837	31.217	153.538	19.696	13.432	18.888	13.674	12.515
	NT2RM4001843	47.451	47.021	41.491	12.355	14.857	30.666	19.358	23.477
	NT2RM4001856	35.284	17.427	22.905	18.860	0.000	35.066	18.473	17.632
	NT2RM4001858	34.556	13.809	35.731	11.606	5.891	13.370	14.536	27.815
	NT2RM4001861	102.500	55.955	86.639	33.805	25.003	43.868	45.531	30.143
50	NT2RM4001863	41.449	33.911	68.502	24.321	16.482	31.445	31.424	32.578
	NT2RM4001865	40.706	38.767	51.589	19.138	24.325	53.955	38.078	30.584
	NT2RM4001869	87.261	35.753	43.743	13.720	22.315	49.946	39.651	110.541
	NT2RM4001873	31.012	19.677	42.836	19.140	23.082	17.690	23.735	26.533
	NT2RM4001876	263.450	78.666	162.933	35.889	80.574	217.874	135.056	71.907
	NT2RM4001880	52.575	35.308	47.881	20.693	7.377	39.267	19.933	16.114
55	NT2RM4001885	62.625	53.956	164.216	33.733	28.285	40.932	20.399	40.632

Table 75

NT2RM4001889	44.826	54.188	57.058	17.324	30.679	30.391	31.401	27.309
NT2RM4001894	33.180	21.032	38.644	10.368	15.617	23.290	26.653	24.028
NT2RM4001897	55.973	37.135	42.706	11.443	18.977	24.084	62.995	21.376
NT2RM4001899	79.426	37.833	50.793	22.892	10.010	19.933	39.828	71.231
NT2RM4001905	71.913	42.987	131.041	19.900	22.521	28.037	22.888	34.298
NT2RM4001922	68.361	66.765	167.103	32.535	29.282	32.842	21.101	29.820
NT2RM4001930	9.761	18.972	11.870	12.179	5.722	7.704	2.893	19.882
NT2RM4001938	13.300	9.323	20.059	5.226	22.340	8.605	6.836	2.737
NT2RM4001940	44.499	28.342	53.112	22.045	19.769	35.835	24.329	24.211
NT2RM4001942	71.378	109.603	137.250	99.314	68.782	123.550	44.362	143.236
NT2RM4001953	73.750	67.064	218.754	37.265	39.359	37.249	28.374	31.774
NT2RM4001965	27.774	33.648	57.473	21.916	18.921	11.704	7.776	32.933
NT2RM4001966	49.431	24.684	41.501	12.421	18.343	29.179	21.379	18.604
NT2RM4001969	28.734	22.964	33.007	12.456	14.747	23.958	15.690	13.553
NT2RM4001974	82.202	23.827	35.591	10.813	20.091	38.983	35.402	27.290
NT2RM4001979	50.759	32.744	64.327	26.669	29.268	32.957	29.294	45.426
NT2RM4001980	64.506	28.217	65.730	29.832	30.129	51.434	39.037	38.269
NT2RM4001984	8.940	10.121	18.976	9.204	7.020	7.587	10.490	17.931
NT2RM4001987	76.782	27.219	64.310	10.713	13.598	56.046	41.155	21.341
NT2RM4002013	19.064	9.935	20.167	9.513	9.423	13.449	15.551	64.982
NT2RM4002018	23.330	15.361	28.649	4.482	9.866	15.203	14.895	11.409
NT2RM4002033	103.629	76.058	255.894	33.739	36.068	40.994	22.684	32.604
NT2RM4002034	97.025	74.014	204.281	25.591	40.356	66.335	30.838	29.885
NT2RM4002044	128.284	87.260	283.326	56.682	49.448	68.685	42.993	58.693
NT2RM4002047	42.016	31.010	47.604	17.496	19.793	15.043	24.593	16.651
NT2RM4002064	75.334	24.437	33.919	5.362	20.426	36.508	26.858	12.455
NT2RM4002065	28.223	41.574	41.231	17.667	21.073	24.192	30.052	56.881
NT2RM4002069	24.790	47.792	30.688	32.255	11.889	26.659	17.375	42.684
NT2RM4002061	15.353	22.159	24.342	33.358	8.569	13.680	9.654	12.890
NT2RM4002062	35.603	17.782	25.712	9.437	13.693	23.679	11.468	12.877
NT2RM4002063	106.902	59.539	161.049	27.157	37.323	44.770	45.190	17.589
NT2RM4002066	69.187	29.278	44.089	14.142	12.777	47.854	23.625	20.028
NT2RM4002067	72.915	65.950	164.446	33.322	23.243	29.901	19.168	38.472
NT2RM4002073	26.509	19.553	24.129	7.501	12.225	19.453	13.427	15.358
NT2RM4002074	23.768	16.727	27.356	9.430	10.288	9.267	19.036	9.923
NT2RM4002075	14.729	8.566	14.082	6.113	8.179	19.921	8.913	5.764
NT2RM4002076	33.772	34.570	24.768	12.754	12.370	22.729	21.957	5.088
NT2RM4002078	65.837	45.074	59.931	29.244	28.319	38.890	38.136	27.441
NT2RM4002081	72.328	49.374	162.917	29.519	33.925	46.864	32.277	29.982
NT2RM4002082	31.523	20.963	24.293	4.626	7.828	18.917	11.824	4.512
NT2RM4002093	13.703	12.906	28.190	14.073	16.132	8.993	10.746	15.942
NT2RM4002109	48.477	33.601	44.687	16.373	19.020	42.752	31.367	24.718
NT2RM4002115	52.087	16.294	25.726	5.046	11.691	15.294	19.312	5.666
NT2RM4002118	6.461	10.205	16.364	2.841	6.221	6.928	9.423	8.612
NT2RM4002128	24.014	12.586	38.670	8.609	8.704	17.808	16.887	18.787
NT2RM4002137	60.650	30.735	54.930	9.746	20.827	30.629	27.756	30.682
NT2RM4002139	59.820	72.323	217.660	35.299	32.433	22.826	18.198	31.925
NT2RM4002140	61.839	27.988	54.095	19.817	18.951	36.147	28.930	19.620
NT2RM4002145	55.935	18.752	37.184	6.758	24.220	25.455	54.028	17.830
NT2RM4002146	10.714	7.232	14.881	2.330	4.463	8.475	3.969	22.927
NT2RM4002161	21.929	10.374	17.604	4.124	7.983	12.456	8.266	7.504
NT2RM4002174	36.217	21.020	78.760	11.488	14.155	12.056	10.913	19.766
NT2RM4002178	51.201	34.975	146.685	25.841	26.852	32.083	18.490	38.988
NT2RM4002180	88.245	86.565	200.162	36.530	47.240	50.257	25.291	41.037
NT2RM4002185	60.374	34.725	47.531	10.870	17.954	36.151	35.104	14.336
NT2RM4002189	443.685	125.746	233.812	62.020	80.189	317.532	213.671	55.692
NT2RM4002194	110.410	60.176	66.781	14.262	24.395	63.199	46.341	16.491
NT2RM4002198	19.112	25.320	30.650	6.006	16.046	10.695	12.653	18.533
NT2RM4002205	86.368	52.183	210.523	37.437	37.350	41.233	35.023	46.891
NT2RM4002213	87.023	29.632	69.582	22.287	36.169	49.771	58.648	47.205
NT2RM4002216	28.034	36.860	39.984	61.988	14.040	23.466	28.018	31.505
NT2RM4002226	59.214	25.842	44.190	19.726	22.840	30.160	21.306	34.363
NT2RM4002237	84.115	47.301	42.616	13.185	17.445	121.874	282.813	42.699
NT2RM4002240	21.140	20.818	18.200	11.226	4.270	17.260	9.804	24.400

Table 76

	NT2RM4002251	39.895	25.621	38.004	9.808	12.483	27.050	27.880	15.570
	NT2RM4002256	62.880	50.437	132.459	16.059	20.051	22.911	18.973	36.148
5	NT2RM4002262	40.381	19.221	18.726	4.067	10.643	11.552	18.506	11.180
	NT2RM4002266	33.927	16.242	29.395	7.271	10.706	15.907	16.746	45.558
	NT2RM4002276	31.555	29.432	34.470	12.227	15.207	18.832	24.174	41.738
	NT2RM4002278	24.493	44.932	54.554	19.947	24.631	19.085	14.211	28.361
	NT2RM4002281	73.045	68.535	120.767	28.971	77.810	35.833	33.197	34.350
	NT2RM4002287	95.529	67.191	148.977	16.383	32.822	42.647	36.149	22.550
10	NT2RM4002284	37.325	40.622	32.626	7.879	22.188	17.681	21.208	18.691
	NT2RM4002298	15.253	25.056	14.186	6.186	12.213	8.996	13.334	20.467
	NT2RM4002301	25.506	22.524	24.351	8.779	13.463	11.537	16.605	21.093
	NT2RM4002306	64.514	27.130	40.307	8.697	16.098	30.071	33.558	17.520
	NT2RM4002323	46.276	37.334	108.848	13.787	18.840	15.998	23.739	23.002
	NT2RM4002334	84.665	44.953	240.849	13.009	61.866	67.867	63.381	16.555
15	NT2RM4002339	40.226	15.664	17.738	4.286	11.781	13.743	14.276	7.602
	NT2RM4002344	15.209	14.735	15.127	5.186	14.835	5.571	6.021	15.852
	NT2RM4002345	29.537	16.084	44.040	7.161	49.725	20.214	15.169	93.476
	NT2RM4002352	25.146	26.320	39.068	10.070	10.828	17.765	20.622	16.556
	NT2RM4002362	22.727	18.967	35.121	7.780	16.102	13.358	9.862	21.089
	NT2RM4002373	49.413	25.049	39.501	16.293	10.820	16.723	21.117	10.960
20	NT2RM4002374	45.312	17.702	80.866	14.495	13.876	25.509	12.233	16.564
	NT2RM4002376	44.035	32.785	33.965	16.793	15.635	33.518	17.499	20.037
	NT2RM4002383	143.921	114.177	338.801	56.564	36.130	62.968	25.071	60.431
	NT2RM4002390	19.946	15.647	23.593	13.554	0.000	15.764	10.120	21.189
	NT2RM4002398	33.574	85.078	55.577	19.871	29.143	36.917	34.014	15.071
	NT2RM4002409	62.430	25.690	44.155	15.629	15.274	43.916	38.612	24.609
25	NT2RM4002414	122.797	27.569	49.085	13.732	29.300	20.609	24.789	22.958
	NT2RM4002438	60.880	24.210	57.361	13.303	21.819	19.128	27.861	33.288
	NT2RM4002440	50.958	29.948	58.790	16.516	17.087	22.853	27.261	86.320
	NT2RM4002446	85.102	43.893	64.557	15.166	30.454	59.828	43.072	34.360
	NT2RM4002450	29.806	50.782	20.662	10.226	5.031	56.095	6.391	48.088
	NT2RM4002462	38.119	24.046	27.781	13.792	11.741	21.974	28.968	14.192
30	NT2RM4002457	56.998	45.958	72.065	21.106	21.980	25.587	22.709	26.372
	NT2RM4002458	17.499	9.159	12.416	3.859	12.704	4.423	1.634	7.476
	NT2RM4002460	37.183	7.502	15.263	2.816	9.265	20.827	12.805	1.464
	NT2RM4002464	12.680	10.529	5.512	5.737	10.707	1.669	5.391	12.187
	NT2RM4002479	65.068	45.694	66.175	35.340	44.661	52.236	42.316	33.845
	NT2RM4002482	714.577	349.138	482.476	135.984	180.855	462.386	321.086	260.860
35	NT2RM4002489	41.987	36.475	28.303	18.347	20.193	45.527	22.970	15.427
	NT2RM4002493	101.547	19.009	34.214	7.129	20.617	58.928	20.613	6.136
	NT2RM4002499	104.508	114.364	295.841	132.961	45.496	125.546	54.809	138.353
	NT2RM4002504	130.575	85.186	319.621	58.095	51.615	65.385	43.397	39.625
	NT2RM4002506	17.534	7.716	22.097	8.307	8.641	11.873	11.217	19.715
	NT2RM4002510	20.570	20.274	28.261	7.195	10.108	9.354	16.982	8.405
40	NT2RM4002527	29.097	14.199	26.008	7.215	11.820	15.320	15.507	11.537
	NT2RM4002532	119.266	103.485	252.069	38.479	49.581	51.534	30.506	48.759
	NT2RM4002534	46.720	29.222	28.381	12.470	17.005	30.785	27.381	25.218
	NT2RM4002535	150.736	124.425	370.470	71.472	69.884	70.122	44.328	39.348
	NT2RM4002554	46.680	4.678	15.042	2.434	7.853	8.287	11.868	8.546
	NT2RM4002556	64.523	30.756	60.861	17.849	28.435	32.697	50.330	26.839
	NT2RM4002565	26.150	21.759	29.418	10.020	13.855	14.504	15.952	20.143
45	NT2RM4002567	13.750	9.555	16.128	7.961	6.533	14.816	11.242	24.778
	NT2RM4002571	64.981	32.370	51.874	13.381	25.113	37.880	40.593	30.327
	NT2RM4002572	21.932	17.415	44.482	6.169	9.094	15.081	8.955	11.463
	NT2RM4002577	13.390	34.537	17.827	8.379	17.150	9.208	20.440	135.375
	NT2RM4002583	43.872	21.818	41.335	7.938	12.820	25.087	16.879	8.165
	NT2RM4002584	48.978	41.874	47.589	19.263	15.387	18.002	26.572	29.591
50	NT2RM4002593	43.140	21.408	34.068	14.481	17.846	27.459	22.581	18.025
	NT2RM4002594	53.494	32.355	54.474	10.039	23.934	38.188	30.209	28.918
	NT2RM4002604	49.799	31.218	31.584	14.197	10.658	52.255	31.422	27.262
	NT2RM4002614	18.848	9.948	15.663	7.767	10.103	19.152	15.480	10.800
	NT2RM4002616	52.378	28.130	31.691	6.189	16.589	25.551	20.412	22.945
	NT2RM4002629	31.915	15.505	22.179	7.046	11.143	28.155	15.957	8.295
55	NT2RM4002634	27.202	13.607	23.468	4.566	6.856	27.565	17.040	9.308

Table 77

	NT2RM4002636	2.342	5.234	9.517	3.874	1.465	2.585	2.436	4.543
	NT2RP1000002	114.491	47.508	61.586	25.000	29.448	84.026	73.878	59.624
5	NT2RP1000006	71.057	28.511	44.224	10.202	17.523	40.868	37.373	15.237
	NT2RP1000015	7.192	9.953	16.089	4.506	3.649	7.738	3.651	8.661
	NT2RP1000018	5.882	0.000	0.000	0.000	0.000	2.690	4.737	0.000
	NT2RP1000034	273.802	61.801	59.676	50.413	101.761	283.598	21.883	51.696
	NT2RP1000035	14.407	14.328	5.278	5.331	3.905	19.347	5.560	9.946
	NT2RP1000040	2.229	2.143	2.569	1.482	0.842	0.251	1.226	0.963
10	NT2RP1000042	2.962	1.516	2.106	0.450	3.003	1.458	1.788	0.000
	NT2RP1000048	3.312	5.643	4.404	1.520	1.452	2.742	0.779	17.389
	NT2RP1000050	37.260	7.381	21.735	7.969	7.544	14.598	18.930	19.749
	NT2RP1000056	2.575	8.244	12.209	2.506	2.248	50.055	1.919	18.856
	NT2RP1000058	7.701	2.152	6.853	1.889	5.740	5.703	5.884	4.654
	NT2RP1000063	17.863	6.661	8.488	2.745	0.000	7.494	5.484	2.401
15	NT2RP1000068	4.612	5.197	4.140	0.833	1.697	1.068	0.863	1.468
	NT2RP1000072	143.838	99.413	72.321	37.376	27.104	99.463	69.787	134.954
	NT2RP1000073	1.552	1.742	0.000	0.919	0.996	0.623	4.055	9.765
	NT2RP1000078	2.896	0.000	0.000	0.230	0.741	0.763	0.567	3.421
	NT2RP1000079	49.027	29.658	15.514	6.677	6.650	9.256	18.182	28.375
	NT2RP1000080	16.385	13.693	8.875	4.934	5.832	9.673	15.737	12.194
20	NT2RP1000086	7.169	3.761	10.248	2.946	7.423	5.286	3.826	0.000
	NT2RP1000087	0.000	5.038	0.000	1.221	3.506	2.887	0.000	2.053
	NT2RP1000089	4.302	9.012	8.097	5.674	2.992	4.624	0.418	13.867
	NT2RP1000090	52.428	58.867	69.998	38.821	17.374	29.637	36.043	79.236
	NT2RP1000100	3.207	3.774	1.540	2.138	1.112	1.149	0.000	1.791
	NT2RP1000101	92.707	46.496	68.186	33.782	31.861	36.104	55.994	56.718
25	NT2RP1000111	4.451	9.940	6.651	2.623	8.151	2.766	11.052	2.965
	NT2RP1000112	3.985	3.478	0.000	2.480	0.000	1.727	2.041	2.374
	NT2RP1000124	24.505	9.928	6.917	5.644	2.553	12.703	2.802	42.644
	NT2RP1000125	24.817	79.995	139.555	49.819	97.770	62.060	44.484	52.427
	NT2RP1000129	28.170	30.324	26.037	10.799	3.638	16.350	16.315	13.950
	NT2RP1000130	5.381	7.279	14.566	2.578	10.778	12.987	0.000	20.710
30	NT2RP1000154	17.054	18.625	18.032	7.765	17.883	13.855	12.502	19.133
	NT2RP1000163	18.531	7.739	9.822	4.142	3.589	2.512	6.952	17.030
	NT2RP1000170	14.775	6.603	3.911	1.557	5.549	3.844	7.224	15.609
	NT2RP1000174	10.066	4.006	4.875	1.601	3.951	1.497	5.060	0.867
	NT2RP1000181	108.209	58.429	137.843	40.129	31.719	74.897	73.935	56.201
	NT2RP1000191	9.285	6.645	5.460	3.099	6.842	12.624	5.864	2.766
35	NT2RP1000202	4.547	3.462	7.203	6.298	6.151	3.022	2.481	4.122
	NT2RP1000239	0.000	0.000	4.313	1.852	1.396	1.558	2.101	1.136
	NT2RP1000243	10.228	5.330	3.864	1.538	6.834	4.100	5.184	5.579
	NT2RP1000255	6.844	3.187	2.512	1.848	1.326	2.012	5.711	5.678
	NT2RP1000259	10.073	6.510	10.276	1.673	3.601	8.515	4.509	4.367
	NT2RP1000261	0.000	0.000	0.000	0.000	1.606	0.000	1.763	0.000
40	NT2RP1000269	233.453	119.331	130.392	48.933	78.334	111.105	129.953	96.341
	NT2RP1000271	504.212	314.887	684.003	191.587	126.841	351.080	221.963	268.189
	NT2RP1000272	130.317	52.877	78.345	38.313	30.575	71.136	50.465	37.296
	NT2RP1000279	103.540	36.699	55.522	23.329	29.320	68.416	60.628	9.388
	NT2RP1000290	383.695	214.173	295.250	136.106	105.408	267.258	215.344	195.667
	NT2RP1000293	139.263	71.666	91.679	43.735	54.577	85.003	75.569	61.144
	NT2RP1000300	219.317	94.497	120.961	62.228	73.747	168.238	105.443	25.701
45	NT2RP1000324	205.212	96.463	109.241	73.482	49.779	120.962	75.697	54.085
	NT2RP1000325	567.975	208.141	235.225	74.690	106.786	298.190	175.163	181.979
	NT2RP1000328	114.548	37.978	60.587	21.766	22.713	70.707	48.865	22.186
	NT2RP1000331	14.215	11.082	12.198	9.945	5.554	9.595	5.409	16.164
	NT2RP1000333	175.329	62.474	124.398	35.732	30.723	116.009	80.360	48.737
	NT2RP1000336	5.071	3.476	0.000	2.085	1.485	4.216	5.855	5.234
50	NT2RP1000347	8.732	4.239	0.000	3.444	2.753	3.942	4.829	4.180
	NT2RP1000348	9.118	3.224	2.495	2.895	3.816	3.756	4.511	1.450
	NT2RP1000349	6.925	4.441	0.000	1.180	2.776	3.407	3.025	2.512
	NT2RP1000353	26.257	80.510	62.172	39.139	13.657	50.445	33.300	118.905
	NT2RP1000356	25.146	46.385	82.299	43.972	13.987	49.489	26.724	110.239
	NT2RP1000357	213.820	128.901	421.667	86.179	76.445	136.345	94.747	87.310
55	NT2RP1000358	186.987	64.055	106.939	32.778	41.723	110.904	74.510	67.426

Table 78

NT2RP1000360	297.314	134.601	191.999	71.819	85.890	202.062	147.810	89.594
NT2RP1000363	364.040	212.933	280.442	136.437	123.748	247.266	256.906	128.344
NT2RP1000376	127.768	49.154	84.631	29.920	40.910	71.095	82.258	43.951
NT2RP1000384	39.353	145.725	56.520	52.245	252.336	185.039	121.336	65.534
NT2RP1000407	2.663	0.197	0.000	2.423	0.000	3.032	2.424	3.461
NT2RP1000409	0.000	5.878	0.000	0.850	0.000	0.424	0.000	0.000
NT2RP1000413	7.153	2.048	2.681	0.000	8.303	4.015	0.344	0.307
NT2RP1000416	0.000	0.000	0.034	0.000	0.000	0.000	0.000	0.000
NT2RP1000418	9.174	4.984	8.733	3.988	5.668	7.649	7.116	4.283
NT2RP1000420	2.125	0.924	0.000	0.000	0.000	0.000	0.147	0.000
NT2RP1000434	0.000	19.791	0.000	0.750	0.000	0.189	1.654	0.000
NT2RP1000439	134.853	56.272	115.668	51.887	49.782	73.229	64.079	15.355
NT2RP1000443	58.432	1.440	0.000	3.540	5.276	7.299	4.900	2.656
NT2RP1000447	3.820	2.955	0.800	3.240	1.187	3.303	1.052	3.063
NT2RP1000448	3.888	0.697	0.000	0.778	1.043	0.314	0.856	0.000
NT2RP1000451	5.766	4.110	3.245	4.480	1.272	3.036	1.022	3.138
NT2RP1000458	277.437	139.151	249.632	114.073	87.709	243.919	188.141	160.796
NT2RP1000460	216.381	129.722	192.470	86.161	96.273	135.913	170.172	91.267
NT2RP1000465	290.518	221.955	402.881	192.151	210.010	230.322	182.401	205.887
NT2RP1000468	29.203	30.933	61.862	19.161	13.854	16.791	11.220	11.713
NT2RP1000470	247.991	94.630	118.548	33.073	62.185	113.536	101.037	71.927
NT2RP1000477	3.039	1.894	0.000	0.887	1.636	2.721	1.261	1.757
NT2RP1000478	2.842	0.655	0.000	0.363	1.122	0.412	1.375	0.000
NT2RP1000481	5.676	0.693	1.378	2.294	1.991	0.993	2.480	1.941
NT2RP1000493	5.004	0.820	0.000	1.070	0.687	1.252	0.401	0.344
NT2RP1000513	183.214	62.178	133.983	29.869	42.569	122.982	62.701	55.329
NT2RP1000522	183.947	57.483	120.005	32.529	32.275	110.978	93.419	62.294
NT2RP1000533	21.686	8.198	15.700	5.816	6.071	12.902	9.030	5.528
NT2RP1000544	3.732	10.988	1.704	2.465	2.581	6.543	9.371	6.069
NT2RP1000547	0.300	0.310	0.170	0.000	0.000	0.000	0.000	0.000
NT2RP1000551	3.716	1.322	3.371	0.657	1.870	1.149	3.287	1.199
NT2RP1000567	18.148	4.535	7.630	1.128	0.978	9.115	8.337	2.192
NT2RP1000574	2.807	2.740	4.159	0.000	1.266	2.846	0.662	0.000
NT2RP1000577	5.767	6.059	6.234	2.033	4.066	4.517	1.545	3.168
NT2RP1000579	13.591	6.812	7.808	2.066	3.452	4.699	7.020	6.279
NT2RP1000581	23.446	8.664	15.950	5.531	6.046	15.075	12.761	9.085
NT2RP1000593	6.058	14.376	5.780	2.580	5.057	9.162	5.483	15.975
NT2RP1000604	3.081	4.126	5.413	5.134	3.748	4.785	3.835	2.255
NT2RP1000609	27.487	3.174	10.612	2.228	3.986	13.382	13.762	3.825
NT2RP1000613	4.356	2.265	1.529	1.001	0.000	1.184	2.710	0.767
NT2RP1000622	15.005	7.496	8.013	1.968	1.752	7.985	7.518	6.485
NT2RP1000627	17.344	14.772	22.410	6.441	12.047	16.356	20.729	10.336
NT2RP1000629	15.718	4.144	12.352	4.104	4.312	7.820	11.024	7.693
NT2RP1000630	65.249	32.499	52.699	15.138	14.415	30.508	33.741	18.936
NT2RP1000639	43.900	18.204	18.020	10.187	10.606	19.791	14.683	16.200
NT2RP1000640	86.217	156.971	37.078	60.057	32.726	29.102	17.026	76.883
NT2RP1000646	7.394	16.894	13.629	5.542	5.660	7.382	1.582	2.851
NT2RP1000659	26.494	13.979	53.935	11.276	9.119	12.945	10.602	15.936
NT2RP1000674	10.820	5.502	9.633	4.224	4.542	3.907	5.942	5.755
NT2RP1000677	187.310	76.173	99.589	25.959	49.679	90.146	95.230	63.227
NT2RP1000679	9.839	5.907	7.263	2.229	1.965	2.520	3.853	6.223
NT2RP1000688	30.741	21.137	41.993	9.852	14.205	17.736	20.738	18.729
NT2RP1000689	8.594	2.814	13.021	1.222	4.171	7.394	4.473	3.167
NT2RP1000696	1.813	3.104	2.068	0.810	0.000	0.000	0.786	0.000
NT2RP1000701	1.280	1.032	0.000	0.000	0.000	0.855	0.000	0.607
NT2RP1000702	4.112	3.346	8.473	1.156	1.698	1.616	4.749	0.000
NT2RP1000713	0.233	0.022	0.927	0.000	0.000	0.000	0.300	0.000
NT2RP1000721	199.987	95.449	152.563	45.581	64.142	102.872	121.431	76.919
NT2RP1000730	24.414	16.302	64.370	4.470	6.129	18.698	8.948	6.185
NT2RP1000733	9.992	13.894	13.138	3.593	3.087	6.945	6.918	10.277
NT2RP1000738	357.551	171.924	254.026	65.731	120.196	211.940	169.539	140.421
NT2RP1000739	261.372	106.684	146.597	37.731	77.674	193.277	164.547	67.465
NT2RP1000740	60.717	34.534	37.472	15.130	15.350	35.255	35.792	28.239
NT2RP1000748	13.275	9.551	20.132	3.376	1.635	3.601	3.265	3.969

Table 79

NT2RP1000750	134.663	52.958	80.346	28.605	36.158	71.713	92.250	39.685
NT2RP1000751	17.717	44.325	31.941	32.295	15.461	19.059	18.084	64.708
NT2RP1000767	12.860	6.572	9.067	2.510	3.872	3.120	5.111	4.085
NT2RP1000769	27.412	21.636	18.089	7.324	7.758	13.441	12.436	7.317
NT2RP1000780	7.664	2.995	3.269	2.715	2.030	0.000	0.000	0.000
NT2RP1000782	11.618	23.259	28.607	5.886	16.596	14.946	5.301	7.061
NT2RP1000796	118.585	56.532	75.809	15.096	41.498	78.341	73.407	26.885
NT2RP1000797	215.680	107.927	100.844	28.806	53.841	131.952	306.946	77.792
NT2RP1000800	5.249	3.787	2.211	1.617	7.056	3.306	3.512	2.851
NT2RP1000825	49.312	22.623	29.009	4.529	15.271	16.815	24.570	12.101
NT2RP1000833	67.848	23.702	41.132	9.260	13.328	25.255	29.305	27.307
NT2RP1000834	21.157	17.555	15.686	11.112	11.392	19.117	14.348	17.998
NT2RP1000836	12.434	11.272	7.839	3.196	2.621	7.219	5.827	5.382
NT2RP1000837	98.743	40.415	104.822	21.833	23.029	41.395	35.068	27.483
NT2RP1000846	14.775	11.209	35.656	4.957	5.131	7.919	3.229	5.512
NT2RP1000847	27.431	18.237	16.588	10.757	10.320	14.784	19.182	10.029
NT2RP1000851	214.374	87.847	128.937	45.113	51.955	144.598	108.723	51.968
NT2RP1000856	26.023	29.514	67.757	23.663	28.185	38.015	15.874	11.458
NT2RP1000880	163.711	61.100	101.078	35.849	41.953	87.889	80.204	48.859
NT2RP1000902	24.271	31.899	49.716	12.862	11.237	22.189	17.326	17.501
NT2RP1000903	68.716	24.490	31.806	9.135	15.239	68.242	28.337	14.115
NT2RP1000905	25.662	13.385	22.530	7.668	3.894	6.452	12.011	13.929
NT2RP1000915	22.768	32.699	39.412	17.920	10.752	18.493	10.059	19.431
NT2RP1000916	36.356	17.076	24.787	8.241	2.752	29.983	18.336	4.134
NT2RP1000921	20.260	10.538	22.363	8.324	5.717	15.896	15.473	4.407
NT2RP1000943	9.440	4.278	14.836	10.665	2.682	3.445	1.686	1.791
NT2RP1000944	65.067	27.816	40.730	12.441	18.584	43.858	29.682	34.740
NT2RP1000947	18.414	12.386	22.697	15.197	10.849	17.723	9.687	20.200
NT2RP1000954	28.307	24.912	28.425	5.358	10.337	20.825	13.192	15.554
NT2RP1000958	21.987	38.788	40.914	23.030	11.285	20.525	21.953	28.920
NT2RP1000959	84.562	81.956	164.902	59.895	32.501	60.329	47.308	77.704
NT2RP1000966	104.461	73.705	101.807	68.853	28.479	65.560	39.891	37.125
NT2RP1000974	213.892	124.166	171.079	71.813	73.877	160.514	104.131	41.698
NT2RP1000980	16.802	11.080	6.958	4.146	7.799	7.626	6.311	2.017
NT2RP1000981	50.385	24.506	35.067	13.841	17.653	24.416	15.302	5.946
NT2RP1000988	19.623	11.058	22.064	9.003	7.658	18.310	15.545	11.394
NT2RP1001002	56.891	33.510	22.993	6.717	20.078	27.348	21.988	16.177
NT2RP1001004	23.268	13.134	13.405	6.295	5.883	11.999	12.399	18.783
NT2RP1001007	29.127	10.102	12.426	8.003	3.193	18.313	13.562	9.737
NT2RP1001011	36.507	27.547	42.002	16.657	13.048	28.628	24.654	12.589
NT2RP1001013	9.942	14.082	54.179	41.030	16.518	29.607	9.620	52.626
NT2RP1001014	19.677	17.977	30.913	10.101	11.200	9.468	17.655	12.776
NT2RP1001020	39.078	9.107	36.274	3.816	13.500	15.563	15.121	4.580
NT2RP1001023	5309.613	985.566	1698.618	284.967	1874.160	4332.654	3092.785	808.260
NT2RP1001027	73.098	53.184	34.629	18.681	24.296	93.325	87.199	51.245
NT2RP1001031	6.727	3.944	1.413	2.625	2.583	4.462	2.652	2.043
NT2RP1001033	34.383	18.547	52.827	11.061	12.794	15.798	10.825	16.802
NT2RP1001042	16.664	10.042	32.855	18.106	26.513	10.262	8.945	11.916
NT2RP1001045	189.863	33.846	51.766	24.186	48.474	72.682	35.437	30.767
NT2RP1001073	12.246	10.612	7.850	6.640	5.048	9.855	6.935	5.520
NT2RP1001079	91.852	71.311	178.776	25.199	28.090	49.291	51.519	16.408
NT2RP1001080	36.634	23.422	19.061	11.316	14.731	18.812	18.139	11.376
NT2RP1001113	14.930	5.617	8.219	2.444	3.358	8.872	5.861	3.904
NT2RP1001159	327.758	59.111	125.441	72.993	66.677	187.780	55.003	98.072
NT2RP1001173	16.780	13.137	27.175	6.169	17.090	13.269	9.476	11.252
NT2RP1001176	12.987	10.035	21.336	6.618	14.457	10.468	9.085	4.024
NT2RP1001177	47.481	25.797	35.864	7.900	13.900	29.446	22.230	7.579
NT2RP1001185	90.471	76.839	221.325	28.708	27.738	39.654	27.055	27.069
NT2RP1001199	15.790	17.518	27.813	11.849	14.093	14.390	10.829	11.780
NT2RP1001205	22.415	19.355	38.756	18.438	19.648	28.439	20.497	36.255
NT2RP1001216	26.469	21.856	25.048	13.068	11.039	25.483	15.692	15.808
NT2RP1001225	54.629	20.260	37.472	13.542	10.291	26.429	33.484	22.194
NT2RP1001245	11.787	8.531	12.195	4.228	4.219	12.906	5.042	9.166
NT2RP1001247	6.228	6.100	7.648	1.747	1.022	2.368	3.698	2.028

Table 80

NT2RP1001248	49.226	25.943	116.648	10.461	11.820	12.652	13.256	17.837
NT2RP1001253	16.172	14.468	19.494	5.712	7.057	20.880	11.966	15.830
NT2RP1001288	31.909	17.523	37.293	9.003	10.973	24.180	18.180	18.610
NT2RP1001294	25.024	26.132	24.014	7.577	12.732	16.248	11.737	14.676
NT2RP1001302	20.570	17.865	14.990	7.914	7.089	11.711	10.424	6.370
NT2RP1001310	73.669	50.596	61.003	20.191	35.975	42.746	31.795	30.891
NT2RP1001311	107.757	35.881	46.474	17.712	21.645	48.944	43.729	26.945
NT2RP1001313	55.324	32.674	63.966	13.492	14.367	18.129	17.116	14.648
NT2RP1001324	35.171	18.577	22.653	7.819	11.963	16.113	15.675	21.371
NT2RP1001349	44.453	17.959	25.475	6.766	11.881	22.818	27.028	20.116
NT2RP1001361	55.753	27.902	58.131	21.682	28.045	60.728	52.605	27.148
NT2RP1001379	126.769	137.614	71.862	24.018	47.600	154.003	231.914	35.839
NT2RP1001386	74.494	89.642	123.622	19.403	22.929	45.989	34.307	19.045
NT2RP1001395	45.302	31.340	24.575	7.512	17.756	24.165	18.832	16.437
NT2RP1001410	23.514	23.629	40.104	12.632	9.318	21.843	13.537	8.295
NT2RP1001424	10.618	33.112	10.799	2.636	4.204	7.482	8.833	25.347
NT2RP1001432	12.466	40.995	9.503	1.789	6.323	5.098	8.187	7.252
NT2RP1001449	55.536	20.728	66.767	10.440	26.188	27.184	29.004	30.274
NT2RP1001457	30.322	32.721	37.777	8.330	12.956	20.340	25.841	17.849
NT2RP1001459	88.712	62.417	75.498	27.541	35.602	62.144	51.183	51.852
NT2RP1001466	16.844	23.355	27.785	10.621	12.274	14.384	8.050	13.792
NT2RP1001475	89.839	111.813	276.258	35.857	23.078	34.083	16.906	15.713
NT2RP1001482	9.804	7.238	3.123	7.419	2.367	3.451	2.538	1.692
NT2RP1001494	18.452	17.405	15.730	1.433	3.642	8.911	7.609	6.956
NT2RP1001500	2.143	2.316	3.634	2.456	0.000	0.086	0.162	0.765
NT2RP1001517	14.740	13.801	16.801	3.704	5.628	8.123	9.615	6.297
NT2RP1001540	50.226	35.070	52.423	11.150	17.869	36.090	28.195	7.025
NT2RP1001543	87.779	27.665	55.068	12.390	25.264	48.623	28.462	18.547
NT2RP1001546	51.476	99.385	143.880	25.320	72.799	104.259	38.212	42.007
NT2RP1001550	67.741	63.428	53.684	15.107	31.309	40.950	26.433	16.133
NT2RP1001553	34.956	17.566	22.966	10.039	10.915	17.367	20.710	19.945
NT2RP1001555	33.240	52.576	54.908	25.406	21.523	42.121	29.401	24.807
NT2RP1001563	30.536	23.522	26.745	10.623	16.136	20.228	17.699	11.340
NT2RP1001569	90.271	31.802	37.662	7.791	18.755	32.159	31.572	22.545
NT2RP1001584	125.503	64.642	101.860	20.979	38.153	69.983	85.177	68.021
NT2RP1001599	25.536	22.635	29.822	7.141	9.376	19.848	14.150	13.608
NT2RP1001616	38.077	18.321	20.981	7.268	5.256	12.873	14.087	12.210
NT2RP1001654	77.215	24.275	26.850	14.308	14.684	36.754	26.803	17.786
NT2RP1001665	20.132	15.451	16.433	5.156	9.958	6.979	8.761	8.109
NT2RP1001679	261.384	264.730	245.821	192.156	85.798	197.731	172.668	434.739
NT2RP1001681	21.960	21.892	16.974	17.231	5.379	21.608	10.982	20.811
NT2RP1001694	27.832	32.368	36.517	12.438	29.150	109.147	231.086	69.267
NT2RP2000001	79.348	34.825	26.858	8.546	17.604	24.165	27.629	18.039
NT2RP2000006	32.218	26.701	47.407	11.066	8.723	14.094	13.215	12.652
NT2RP2000007	54.262	32.503	34.116	12.829	11.972	20.410	21.705	11.281
NT2RP2000008	34.810	31.036	59.562	20.809	17.226	20.509	17.288	54.391
NT2RP2000010	12.320	9.820	24.557	3.019	5.341	8.149	10.076	5.865
NT2RP2000011	121.718	115.419	218.553	41.153	44.035	64.587	50.108	46.745
NT2RP2000027	74.085	69.757	136.369	23.981	28.217	40.308	24.108	20.710
NT2RP2000028	23.699	28.386	27.077	10.607	11.433	22.532	14.265	11.554
NT2RP2000032	10.199	6.568	16.529	6.282	6.462	9.623	8.119	8.527
NT2RP2000040	383.423	222.501	199.099	79.455	81.787	229.220	181.239	162.128
NT2RP2000042	97.011	62.254	87.877	29.525	13.003	45.921	45.196	41.158
NT2RP2000045	73.700	49.722	66.899	21.221	17.180	32.492	32.785	35.403
NT2RP2000051	37.323	46.342	93.958	33.924	13.292	43.534	29.174	17.962
NT2RP2000054	99.806	54.072	69.945	21.897	22.707	40.001	40.807	38.782
NT2RP2000056	57.518	40.207	41.868	18.309	24.303	26.794	25.564	25.156
NT2RP2000057	156.050	177.739	178.741	136.241	76.886	130.744	163.333	207.593
NT2RP2000067	59.366	13.414	39.371	6.372	16.611	22.899	22.689	5.023
NT2RP2000070	107.618	50.674	57.709	17.458	29.909	83.478	48.688	26.235
NT2RP2000076	48.409	27.260	29.570	12.733	8.235	32.852	11.701	13.485
NT2RP2000077	94.993	53.327	77.668	25.110	14.024	49.100	33.647	31.168
NT2RP2000079	62.685	66.203	139.230	32.930	26.739	30.432	16.329	18.678
NT2RP2000088	71.164	29.601	52.899	11.567	20.381	42.871	35.756	8.836

Table 81

NT2RP2000091	39.115	38.293	35.366	17.159	14.253	18.714	15.927	10.202
NT2RP2000092	75.001	89.256	171.691	60.810	53.472	55.591	34.478	54.330
NT2RP2000097	31.201	13.401	27.451	11.261	15.139	18.293	17.851	11.653
NT2RP2000098	26.707	11.006	13.971	6.330	7.991	11.945	7.052	5.446
NT2RP2000108	169.612	134.647	385.078	90.234	79.343	81.573	54.191	92.458
NT2RP2000114	32.814	21.256	23.561	8.385	6.127	16.427	11.227	18.744
NT2RP2000116	24.247	26.308	35.305	21.085	8.128	21.812	11.292	29.326
NT2RP2000119	87.773	75.708	213.188	30.879	26.975	32.244	18.663	23.323
NT2RP2000120	28.158	40.341	40.702	11.423	17.144	20.974	18.758	14.232
NT2RP2000126	68.253	51.174	75.714	25.719	32.146	30.674	19.806	13.086
NT2RP2000133	40.974	21.406	31.855	9.468	16.094	19.158	19.716	9.703
NT2RP2000147	121.104	61.190	75.784	23.438	33.839	75.147	46.430	37.718
NT2RP2000153	96.598	63.476	66.144	23.377	31.821	72.069	43.415	32.773
NT2RP2000156	115.309	87.737	200.582	37.008	35.422	38.443	28.450	20.252
NT2RP2000157	24.318	18.096	28.697	14.121	12.284	22.086	12.179	10.763
NT2RP2000181	9.493	12.679	24.575	5.678	7.191	9.079	8.105	9.807
NT2RP2000168	11.413	14.646	19.908	3.979	5.383	6.466	8.554	3.206
NT2RP2000173	228.420	98.033	150.036	37.188	58.850	114.315	90.491	66.465
NT2RP2000175	78.839	44.514	71.096	15.404	30.614	50.131	40.431	40.206
NT2RP2000178	60.513	42.174	41.614	14.454	19.558	28.068	22.439	16.249
NT2RP2000183	120.139	90.798	139.074	34.168	44.541	64.271	60.391	53.828
NT2RP2000196	91.304	70.037	204.874	30.805	27.133	45.934	28.749	18.697
NT2RP2000204	91.419	106.652	263.856	91.981	356.822	154.895	68.553	248.768
NT2RP2000205	30.577	27.865	61.321	18.312	9.596	17.099	7.227	6.812
NT2RP2000208	53.204	48.346	85.459	22.464	20.371	37.407	31.136	31.123
NT2RP2000224	69.062	62.644	64.951	28.002	14.265	42.146	33.510	51.634
NT2RP2000230	56.320	38.161	51.891	19.712	18.866	28.186	30.382	25.164
NT2RP2000231	237.426	116.377	160.416	68.560	85.769	155.056	119.086	87.184
NT2RP2000232	49.708	32.849	24.700	10.366	11.881	31.935	21.623	13.775
NT2RP2000233	74.158	43.941	52.603	20.024	20.149	47.211	52.894	52.273
NT2RP2000239	32.380	15.399	30.197	8.574	4.025	17.013	20.268	23.735
NT2RP2000240	49.173	38.363	78.202	15.737	15.654	21.302	17.214	20.486
NT2RP2000248	17.308	13.339	13.368	4.823	12.687	8.493	12.992	9.218
NT2RP2000256	37.650	25.977	25.477	12.706	9.212	23.055	14.601	18.126
NT2RP2000257	69.335	66.181	244.979	45.881	37.192	46.969	31.322	46.624
NT2RP2000258	39.114	41.740	49.525	15.968	19.509	29.341	17.580	17.049
NT2RP2000261	46.051	30.214	48.737	10.438	13.441	22.674	19.894	19.556
NT2RP2000270	73.075	55.962	155.102	33.557	28.014	49.469	26.505	41.022
NT2RP2000274	15.514	7.310	20.284	4.327	6.428	13.479	7.807	4.833
NT2RP2000277	12.320	12.198	8.692	2.395	5.097	7.438	9.834	3.452
NT2RP2000279	12.294	6.735	9.825	2.486	5.467	4.265	7.545	6.898
NT2RP2000283	63.324	49.998	59.636	18.166	19.261	33.586	39.787	48.270
NT2RP2000288	38.289	22.877	35.808	11.594	14.150	24.632	25.978	24.657
NT2RP2000289	51.997	39.352	53.601	14.748	19.914	36.153	31.476	28.603
NT2RP2000297	76.236	71.227	206.854	45.838	34.290	40.991	22.703	77.905
NT2RP2000298	28.739	29.954	34.444	16.641	10.662	21.620	14.607	21.804
NT2RP2000310	29.075	14.696	16.125	5.503	10.245	16.627	19.121	11.456
NT2RP2000327	45.414	16.201	24.879	17.704	13.651	24.922	17.858	30.618
NT2RP2000328	36.600	35.521	50.933	15.515	23.798	33.981	22.925	32.863
NT2RP2000329	45.620	29.353	14.112	22.985	11.584	34.848	35.628	29.438
NT2RP2000333	33.894	26.367	89.382	12.302	13.127	27.377	10.155	15.517
NT2RP2000337	14.768	17.723	21.972	6.203	6.291	12.498	8.041	5.971
NT2RP2000346	53.051	82.391	46.420	15.624	13.030	26.358	27.011	31.395
NT2RP2000357	30.149	22.042	28.730	11.084	7.733	16.593	11.667	6.892
NT2RP2000368	16.228	10.853	14.700	2.291	4.114	11.789	8.150	7.184
NT2RP2000368	82.288	25.117	44.596	10.329	16.344	44.774	37.686	6.290
NT2RP2000369	21.429	15.884	19.746	6.532	11.361	9.148	7.691	12.275
NT2RP2000376	205.303	111.496	120.655	34.558	45.976	138.158	139.412	79.987
NT2RP2000394	31.766	23.882	31.577	11.745	14.448	23.860	24.285	20.279
NT2RP2000396	231.332	142.481	190.587	52.114	101.706	157.153	153.636	79.610
NT2RP2000412	67.028	66.250	119.740	21.685	25.253	30.952	32.657	39.788
NT2RP2000414	97.169	86.021	59.155	47.116	24.169	74.619	64.790	62.555
NT2RP2000420	34.977	33.139	27.668	7.585	9.872	17.817	19.531	15.065
NT2RP2000422	17.226	26.571	24.546	8.167	6.449	11.697	14.485	17.945

Table 82

NT2RP2000426	114.626	117.810	111.501	29.759	51.358	87.480	90.640	100.150
NT2RP2000428	56.117	53.709	38.237	12.835	20.360	38.761	41.161	42.507
NT2RP2000438	54.621	34.534	49.392	15.765	13.700	27.527	31.816	22.667
NT2RP2000447	41.157	17.807	23.084	6.863	12.794	25.289	17.738	11.474
NT2RP2000448	26.410	27.807	28.584	7.787	12.459	20.751	18.164	12.208
NT2RP2000459	44.499	36.093	89.605	12.882	14.284	17.465	15.331	9.860
NT2RP2000479	21.922	30.183	53.808	9.553	8.835	9.648	8.854	6.739
NT2RP2000498	97.221	94.691	207.697	30.335	41.292	29.900	25.090	43.440
NT2RP2000503	15.067	15.551	20.810	5.168	10.196	9.766	10.763	12.056
NT2RP2000510	8.340	5.361	8.647	4.438	7.160	4.784	7.812	3.890
NT2RP2000514	10.423	8.148	14.693	2.596	1.773	12.792	6.695	2.902
NT2RP2000516	24.587	13.672	21.344	7.854	6.333	13.895	7.396	10.960
NT2RP2000523	10.281	2.981	4.878	1.371	8.071	0.000	6.857	1.961
NT2RP2000533	26.452	20.054	30.481	4.391	7.628	16.125	48.840	17.396
NT2RP2000540	52.523	22.512	28.503	13.567	14.612	28.427	22.545	11.372
NT2RP2000547	22.542	17.741	11.176	7.337	26.779	12.216	8.288	6.918
NT2RP2000557	91.024	63.951	163.497	30.438	30.047	43.813	31.490	9.367
NT2RP2000558	53.959	47.359	125.971	27.348	16.844	24.191	17.114	21.905
NT2RP2000564	30.446	23.046	22.258	13.084	14.165	16.265	14.861	11.150
NT2RP2000585	12.593	5.857	10.293	5.077	0.000	4.189	5.009	9.707
NT2RP2000583	92.921	56.070	68.992	29.211	14.291	50.282	32.844	34.467
NT2RP2000591	14.655	9.331	13.087	3.504	0.000	10.526	4.362	2.073
NT2RP2000590	8.002	4.780	7.951	1.807	1.614	6.232	2.299	8.293
NT2RP2000601	63.609	21.655	47.106	9.673	13.430	48.855	32.575	8.428
NT2RP2000603	101.578	37.142	48.248	16.412	25.194	51.543	39.363	20.157
NT2RP2000610	78.342	66.011	110.636	42.148	27.855	28.332	30.624	31.736
NT2RP2000614	139.380	106.590	188.604	171.750	58.678	83.079	86.298	185.276
NT2RP2000616	124.143	34.073	58.053	15.031	27.800	81.174	49.504	27.143
NT2RP2000617	50.724	37.802	37.086	17.602	12.086	34.761	20.157	16.389
NT2RP2000623	39.247	19.740	34.797	9.070	10.223	19.775	10.261	13.251
NT2RP2000634	29.431	24.224	35.865	13.077	19.480	16.373	23.806	11.338
NT2RP2000636	39.598	28.832	34.563	11.868	13.914	14.342	6.334	10.485
NT2RP2000638	43.027	34.379	58.259	14.094	15.200	22.724	21.525	6.843
NT2RP2000644	87.622	66.336	227.352	37.298	35.466	29.256	23.666	11.793
NT2RP2000649	28.849	24.035	32.562	15.166	18.629	25.012	15.485	15.528
NT2RP2000652	39.595	25.065	30.965	10.579	14.587	24.849	13.667	10.824
NT2RP2000656	12.851	14.986	7.925	2.952	4.388	9.997	3.990	6.959
NT2RP2000658	8.192	5.499	7.563	1.162	3.535	5.669	3.050	2.703
NT2RP2000663	38.633	21.653	37.840	5.964	12.174	20.777	13.553	39.917
NT2RP2000664	102.627	41.981	90.611	25.300	30.038	73.440	66.888	30.392
NT2RP2000668	41.209	35.434	46.568	16.251	14.705	25.339	29.016	11.020
NT2RP2000678	6.908	2.096	21.949	0.402	5.899	0.262	1.098	1.488
NT2RP2000684	47.376	19.986	45.832	2.836	16.192	24.523	19.843	12.311
NT2RP2000704	159.158	114.202	205.746	44.471	48.627	68.161	47.919	40.349
NT2RP2000710	33.138	26.994	21.890	10.683	6.833	17.938	13.596	8.070
NT2RP2000712	15.016	11.689	29.736	12.471	8.668	17.629	19.970	23.796
NT2RP2000715	61.771	35.912	115.757	20.470	17.051	26.042	17.159	21.325
NT2RP2000720	38.951	26.992	43.620	14.647	11.930	21.500	23.895	26.128
NT2RP2000731	8.039	11.373	11.261	2.986	4.755	2.127	4.657	5.827
NT2RP2000739	83.662	28.893	61.699	15.623	21.878	30.716	28.485	17.190
NT2RP2000748	21.953	22.377	38.996	16.815	15.564	15.846	20.219	20.054
NT2RP2000749	46.622	49.334	65.231	13.317	57.514	52.159	26.941	23.868
NT2RP2000758	79.204	43.258	49.681	18.768	17.058	49.245	31.463	9.472
NT2RP2000784	65.396	28.914	41.243	10.203	16.308	36.761	32.438	13.134
NT2RP2000786	40.275	50.060	83.340	10.610	48.180	26.508	18.850	15.663
NT2RP2000777	92.029	39.471	41.396	32.309	33.513	94.887	43.480	40.212
NT2RP2000786	91.676	61.265	70.189	16.798	30.669	51.517	41.968	37.840
NT2RP2000793	245.992	91.135	151.153	57.903	62.361	191.087	132.793	68.352
NT2RP2000796	24.053	16.664	26.693	12.773	8.297	14.258	11.004	10.440
NT2RP2000809	118.982	88.958	221.024	42.198	50.535	65.921	39.243	46.532
NT2RP2000812	23.931	28.037	26.224	15.476	9.968	23.492	19.671	6.489
NT2RP2000814	9.108	7.645	7.698	5.179	4.196	5.655	3.821	2.231
NT2RP2000816	49.615	22.174	23.358	8.758	4.975	23.109	16.789	17.124
NT2RP2000818	8.156	2.591	1.260	0.492	0.840	1.656	0.942	0.250

Table 83

	NT2RP2000819	18.931	14.180	22.186	4.470	4.973	11.664	8.535	5.164
	NT2RP2000841	28.455	24.097	27.497	8.335	10.021	20.722	20.951	21.582
5	NT2RP2000842	34.381	17.071	34.845	8.688	13.092	22.498	16.807	14.291
	NT2RP2000845	168.513	153.241	289.355	60.191	54.194	71.809	58.470	61.375
	NT2RP2000863	43.408	19.456	21.479	5.334	8.450	25.326	17.757	8.334
	NT2RP2000880	57.370	45.920	51.291	29.897	15.173	32.007	24.723	27.411
	NT2RP2000892	10.063	13.681	18.264	3.215	4.302	10.360	11.152	10.295
	NT2RP2000894	64.414	18.305	26.241	9.579	7.189	24.935	24.193	12.407
10	NT2RP2000903	38.945	14.595	23.755	3.839	8.850	15.825	14.467	11.189
	NT2RP2000908	43.895	24.347	34.459	12.388	12.400	29.304	18.688	23.184
	NT2RP2000910	78.036	47.430	175.193	28.258	21.020	30.976	28.638	37.229
	NT2RP2000931	68.351	104.907	108.794	52.697	65.250	51.718	29.344	55.383
	NT2RP2000932	30.706	39.023	31.030	6.448	13.290	15.553	11.313	11.145
	NT2RP2000938	55.079	37.641	47.798	12.045	19.899	32.600	18.046	21.528
15	NT2RP2000943	64.610	32.839	54.181	11.802	18.241	33.817	55.424	23.572
	NT2RP2000957	20.426	12.332	17.780	3.181	5.343	6.479	8.015	4.052
	NT2RP2000958	74.825	23.934	37.910	10.227	22.164	41.633	29.369	21.256
	NT2RP2000959	15.840	25.063	17.980	5.521	4.208	9.176	3.539	6.349
	NT2RP2000965	52.687	40.458	51.330	27.882	16.372	29.535	32.993	35.643
	NT2RP2000970	84.866	72.715	196.279	29.249	36.529	42.814	24.489	33.313
20	NT2RP2000973	42.690	30.786	42.102	8.964	13.498	23.369	20.702	18.360
	NT2RP2000985	33.281	22.399	26.930	8.628	4.869	20.022	22.445	14.030
	NT2RP2000987	47.736	66.487	94.477	25.911	19.844	27.890	23.633	33.551
	NT2RP2000997	42.801	43.070	56.966	15.270	16.292	49.613	53.625	99.622
	NT2RP2001024	47.605	28.976	34.658	13.810	14.628	32.054	39.269	22.962
	NT2RP2001028	32.502	24.770	88.599	12.437	11.259	13.181	13.919	9.824
	NT2RP2001036	206.163	234.625	568.939	116.746	85.893	125.996	88.623	100.568
25	NT2RP2001039	26.909	37.527	31.356	6.335	15.429	17.827	107.341	12.412
	NT2RP2001044	51.134	33.868	42.988	9.016	23.633	31.422	25.682	20.463
	NT2RP2001056	84.875	95.778	164.256	33.325	35.039	45.764	30.831	44.980
	NT2RP2001066	57.092	61.052	49.599	18.558	20.229	29.019	30.628	32.966
	NT2RP2001087	17.223	18.596	14.258	5.284	6.021	4.582	10.046	8.782
	NT2RP2001070	92.615	68.975	230.584	37.646	41.225	36.295	43.293	26.959
30	NT2RP2001081	134.654	80.124	269.700	35.425	37.697	42.849	35.852	45.105
	NT2RP2001087	54.476	40.059	74.079	12.377	21.043	25.654	22.663	15.956
	NT2RP2001094	11.558	8.400	11.506	4.416	3.583	4.503	4.258	5.446
	NT2RP2001119	66.924	57.741	177.347	36.523	37.388	40.013	41.672	39.968
	NT2RP2001127	52.585	39.380	36.247	9.959	18.625	16.757	28.865	13.483
	NT2RP2001133	94.638	97.465	155.477	25.417	36.346	28.836	28.731	38.218
35	NT2RP2001137	61.770	53.486	51.726	12.991	40.072	20.107	24.686	30.341
	NT2RP2001142	54.131	38.507	34.342	8.552	14.688	17.434	23.807	20.602
	NT2RP2001149	96.617	49.914	71.348	17.462	14.077	23.064	30.676	22.427
	NT2RP2001168	313.055	217.008	205.763	65.294	77.814	146.883	169.121	158.484
	NT2RP2001173	25.149	27.272	22.710	16.143	12.538	13.238	14.902	9.473
	NT2RP2001174	21.134	17.440	22.879	11.089	14.190	18.125	50.600	22.839
40	NT2RP2001184	99.803	60.549	84.254	29.471	35.438	70.558	65.859	57.928
	NT2RP2001196	19.492	14.580	26.749	5.551	9.060	20.695	9.289	15.340
	NT2RP2001200	39.331	44.223	52.647	14.745	26.231	26.146	33.102	31.874
	NT2RP2001218	32.396	16.531	28.960	21.387	13.855	8.618	18.872	11.236
	NT2RP2001223	86.393	27.183	46.400	14.290	23.545	53.375	28.096	26.084
	NT2RP2001228	223.868	143.880	155.700	46.575	60.808	148.876	100.150	92.898
	NT2RP2001227	100.969	51.807	65.094	19.398	24.302	57.877	36.376	38.204
45	NT2RP2001232	49.733	30.526	64.164	11.691	29.542	27.238	22.294	35.950
	NT2RP2001233	42.734	36.288	152.784	58.935	18.921	38.027	28.582	69.539
	NT2RP2001245	28.251	16.266	32.594	18.419	8.746	38.272	8.565	38.035
	NT2RP2001246	24.708	44.426	35.600	19.345	16.443	35.994	31.550	37.123
	NT2RP2001268	44.328	34.570	58.263	12.894	20.636	54.014	31.715	54.645
	NT2RP2001270	37.478	15.214	29.740	12.749	67.060	24.740	26.469	21.423
50	NT2RP2001276	15.931	7.906	12.674	9.235	4.389	12.549	17.273	10.235
	NT2RP2001277	22.937	21.147	33.688	12.970	7.618	12.672	2.878	16.107
	NT2RP2001280	68.867	20.688	27.890	13.340	37.970	38.444	27.073	34.029
	NT2RP2001285	22.777	21.635	31.845	7.387	12.979	24.206	7.863	10.592
	NT2RP2001297	105.753	198.744	183.982	210.648	32.481	152.815	178.985	399.018
55	NT2RP2001301	47.099	37.782	53.504	25.117	15.392	49.389	38.668	29.281

.. Table 84

NT2RP2001312	493.097	175.989	324.513	96.070	132.150	315.768	282.270	146.542
NT2RP2001327	188.839	50.032	95.732	33.162	58.029	112.666	87.335	71.442
NT2RP2001328	177.255	162.267	495.438	96.591	104.203	93.675	57.120	68.709
NT2RP2001341	196.358	92.246	40.237	32.268	34.069	91.368	77.221	45.741
NT2RP2001347	148.143	157.594	486.643	72.828	67.867	81.012	36.464	72.260
NT2RP2001366	160.323	170.553	496.412	116.206	96.521	146.562	77.918	108.669
NT2RP2001378	217.791	51.524	110.978	31.128	51.690	147.191	118.132	56.442
NT2RP2001381	16.578	13.963	19.068	15.119	9.576	8.483	2.703	10.418
NT2RP2001388	84.013	52.476	228.213	47.276	49.007	52.881	33.168	44.592
NT2RP2001391	806.136	1438.949	1005.471	960.225	243.432	1160.112	1119.907	1127.811
NT2RP2001392	56.943	65.258	70.204	19.962	26.883	46.456	23.261	14.231
NT2RP2001394	104.258	120.852	350.764	78.963	59.635	75.686	42.505	53.751
NT2RP2001397	37.759	22.378	38.780	40.524	15.364	21.089	16.393	16.560
NT2RP2001400	24.214	10.586	19.685	10.414	12.173	24.380	11.796	22.055
NT2RP2001408	34.405	28.262	69.823	33.071	21.313	29.278	20.555	45.713
NT2RP2001420	74.700	70.462	212.932	44.495	49.469	33.427	30.009	41.019
NT2RP2001423	20.045	17.202	38.815	16.204	11.082	21.739	12.751	10.452
NT2RP2001427	88.620	91.272	206.946	51.057	36.829	49.854	34.587	57.012
NT2RP2001428	47.617	45.465	55.112	19.580	15.421	24.651	10.915	29.985
NT2RP2001436	19.654	25.606	50.345	11.202	18.548	32.033	22.720	5.351
NT2RP2001440	11.871	12.123	19.145	7.724	5.414	7.413	19.955	16.145
NT2RP2001446	11.934	7.217	22.053	5.885	6.872	7.794	3.377	20.818
NT2RP2001448	20.271	20.423	53.385	13.242	8.026	8.439	6.342	9.186
NT2RP2001450	47.497	32.496	58.237	18.660	21.208	28.880	23.620	30.207
NT2RP2001467	40.279	40.050	115.089	25.502	21.744	18.716	21.445	37.772
NT2RP2001469	66.890	35.784	93.465	23.588	33.470	54.095	54.103	33.386
NT2RP2001480	69.698	53.669	54.777	16.208	26.373	44.943	30.622	26.208
NT2RP2001495	14.158	12.199	18.018	8.178	14.762	10.694	8.800	14.613
NT2RP2001499	40.983	50.268	57.334	23.302	22.298	37.271	26.788	35.187
NT2RP2001506	83.528	66.377	104.162	41.795	65.692	61.567	55.661	35.667
NT2RP2001508	25.746	36.879	44.112	33.620	14.149	23.999	19.783	36.174
NT2RP2001511	231.898	147.751	199.611	46.927	77.381	122.787	130.829	108.021
NT2RP2001514	121.671	47.391	103.398	24.149	31.957	72.965	63.365	38.173
NT2RP2001520	38.773	20.470	34.140	14.159	13.366	19.602	22.077	7.741
NT2RP2001526	102.469	98.418	139.331	62.159	83.922	85.309	60.450	66.763
NT2RP2001529	189.308	69.082	103.704	31.713	54.543	173.158	96.700	74.482
NT2RP2001536	22.047	14.186	19.269	9.553	7.196	16.531	13.646	17.343
NT2RP2001538	123.315	222.563	281.173	191.775	90.257	199.255	133.592	422.435
NT2RP2001547	45.201	33.999	42.028	12.917	14.746	31.438	29.406	24.085
NT2RP2001560	146.079	68.501	131.623	35.625	46.061	88.704	90.584	78.703
NT2RP2001562	53.975	35.141	47.262	23.297	18.361	43.041	30.635	47.577
NT2RP2001566	55.453	48.563	91.463	37.157	27.507	54.780	37.595	42.663
NT2RP2001569	131.940	142.523	361.640	62.136	60.136	90.021	46.500	62.567
NT2RP2001576	103.537	76.306	58.434	23.607	34.648	91.306	67.270	45.219
NT2RP2001581	149.528	208.681	239.575	139.622	72.883	196.577	126.583	231.505
NT2RP2001587	52.409	27.790	43.630	13.807	18.650	36.876	23.646	43.012
NT2RP2001601	33.796	37.430	70.562	17.536	15.251	22.526	13.760	29.828
NT2RP2001613	10.438	5.350	6.715	3.155	6.423	9.119	9.830	14.501
NT2RP2001628	87.399	43.401	48.713	17.774	25.577	50.117	31.175	117.652
NT2RP2001634	38.792	56.546	47.793	23.992	16.006	30.530	21.235	42.849
NT2RP2001635	63.818	69.842	156.279	31.411	36.011	40.036	38.853	22.210
NT2RP2001660	31.664	25.538	25.905	6.081	11.137	20.048	20.365	48.159
NT2RP2001662	122.557	88.914	242.932	52.514	43.761	63.759	56.518	43.567
NT2RP2001663	33.056	34.206	58.783	11.163	16.477	39.485	20.869	25.608
NT2RP2001672	51.656	46.965	140.882	31.231	26.225	33.037	25.666	35.948
NT2RP2001675	8.589	6.791	12.510	1.982	5.806	3.149	4.861	6.461
NT2RP2001677	61.810	49.851	68.423	17.674	27.233	40.323	46.466	47.741
NT2RP2001678	70.100	86.779	193.110	58.566	46.915	65.868	62.835	64.186
NT2RP2001683	16.088	14.728	26.445	9.496	10.015	9.959	25.390	9.277
NT2RP2001699	116.996	54.743	185.463	33.235	33.217	64.457	41.391	50.672
NT2RP2001707	94.748	66.728	100.874	19.387	34.234	58.720	45.599	68.302
NT2RP2001720	81.079	33.745	39.415	16.859	16.907	38.973	31.931	30.227
NT2RP2001721	73.164	35.354	62.124	25.944	28.378	69.464	66.522	35.468
NT2RP2001740	23.081	30.430	27.131	12.949	12.248	21.055	20.053	28.546

Table 85

NT2RP2001748	164.370	51.538	151.756	22.608	36.134	86.312	52.323	35.004
NT2RP2001755	10.363	5.707	7.354	3.303	2.490	20.122	2.133	6.371
NT2RP2001762	10.743	10.704	7.130	4.777	5.648	16.360	7.429	3.763
NT2RP2001768	122.047	71.860	129.000	29.098	38.722	67.999	58.129	48.111
NT2RP2001769	29.307	28.706	32.455	11.608	15.175	19.399	20.505	29.469
NT2RP2001784	18.824	19.322	24.434	8.167	13.814	14.835	14.266	10.332
NT2RP2001805	111.510	63.886	82.038	33.170	41.704	47.921	62.218	54.508
NT2RP2001813	15.000	10.225	13.797	4.221	9.786	3.548	11.805	8.246
NT2RP2001817	14.005	12.403	19.383	6.848	8.320	6.884	10.808	15.163
NT2RP2001818	30.494	21.374	23.441	6.808	14.438	12.858	13.055	9.397
NT2RP2001837	153.478	143.980	348.522	65.249	56.344	69.434	48.042	62.813
NT2RP2001839	68.237	44.006	65.237	21.186	23.824	37.874	35.524	54.235
NT2RP2001861	45.604	33.558	72.763	21.180	25.185	40.479	31.542	29.326
NT2RP2001869	79.101	52.967	123.399	29.766	25.811	40.870	38.251	38.150
NT2RP2001876	20.847	28.536	35.991	18.044	13.257	29.195	20.056	35.651
NT2RP2001878	105.429	34.989	86.887	21.675	33.547	76.806	64.301	35.521
NT2RP2001881	25.562	5.186	16.935	8.594	6.002	8.017	5.474	16.018
NT2RP2001883	162.487	96.494	76.800	26.663	40.257	93.069	57.806	50.662
NT2RP2001884	40.027	29.435	18.175	19.127	0.000	34.665	13.313	27.989
NT2RP2001885	41.527	29.494	60.284	13.719	9.345	26.427	24.717	30.448
NT2RP2001898	152.071	65.585	135.420	33.617	41.173	112.042	64.105	57.703
NT2RP2001900	20.075	16.336	54.207	10.431	9.790	20.098	19.168	30.123
NT2RP2001903	389.922	207.168	314.475	131.627	170.618	361.733	261.185	289.339
NT2RP2001907	118.240	77.557	213.664	50.816	46.691	58.895	52.711	58.061
NT2RP2001915	29.335	9.240	29.213	5.804	10.101	8.718	14.671	15.535
NT2RP2001921	70.657	42.199	23.786	27.411	23.817	52.083	27.655	30.244
NT2RP2001926	86.771	11.953	10.434	11.123	10.945	27.144	37.077	28.703
NT2RP2001933	210.457	80.603	159.875	38.312	53.192	114.539	90.251	48.849
NT2RP2001938	9.271	13.789	9.841	9.560	6.311	8.706	3.968	4.244
NT2RP2001943	329.800	151.136	357.167	96.135	99.997	227.342	186.800	161.131
NT2RP2001946	36.700	27.839	38.317	18.830	11.786	20.082	32.636	29.552
NT2RP2001947	49.825	40.322	58.260	17.399	25.524	30.411	31.309	15.258
NT2RP2001948	6.858	5.149	39.338	5.855	16.449	8.590	3.943	39.227
NT2RP2001956	204.499	97.036	150.184	34.215	55.776	144.746	109.645	45.142
NT2RP2001969	63.044	42.091	64.895	18.446	22.555	64.128	29.876	27.818
NT2RP2001976	8.014	10.925	13.322	14.259	2.776	2.729	6.432	21.452
NT2RP2001978	60.910	40.459	87.051	23.282	28.689	25.497	33.528	35.507
NT2RP2001985	73.126	35.661	72.052	21.029	30.385	52.486	46.885	41.899
NT2RP2001991	32.897	34.028	33.239	10.548	15.586	20.531	18.489	33.157
NT2RP2001997	38.265	33.006	69.711	20.057	29.838	29.074	30.213	39.156
NT2RP2002016	341.660	572.382	464.288	330.114	80.297	356.270	346.254	476.966
NT2RP2002017	33.468	25.736	55.897	13.982	18.424	23.720	12.540	17.897
NT2RP2002025	201.899	111.493	125.922	38.775	57.018	118.130	92.718	55.437
NT2RP2002030	147.808	150.643	447.960	95.773	104.163	95.280	65.007	88.254
NT2RP2002032	170.695	55.335	101.868	30.495	58.859	127.664	86.380	56.817
NT2RP2002033	147.111	92.379	481.152	84.872	61.493	72.667	37.144	74.278
NT2RP2002041	15.097	12.379	17.284	5.762	7.552	5.398	10.885	30.538
NT2RP2002046	15.094	19.275	25.228	11.030	8.158	11.642	14.255	15.385
NT2RP2002047	19.261	15.499	12.076	6.530	14.384	9.918	10.225	22.164
NT2RP2002050	71.226	75.633	97.017	33.238	36.421	49.003	42.580	45.656
NT2RP2002052	75.004	67.588	69.616	25.123	25.691	49.820	32.819	35.546
NT2RP2002058	9.803	11.955	11.648	6.527	6.940	8.570	15.678	16.434
NT2RP2002060	147.927	40.191	79.254	17.661	30.022	83.968	55.933	35.933
NT2RP2002063	8.334	10.615	17.124	3.910	9.032	6.499	6.095	43.967
NT2RP2002066	85.296	31.968	71.727	16.597	28.928	52.589	40.814	37.383
NT2RP2002070	24.791	21.309	66.961	13.511	11.537	11.893	11.300	28.065
NT2RP2002076	28.441	16.541	17.729	6.137	10.519	13.321	11.910	9.273
NT2RP2002078	75.992	38.941	77.227	23.502	30.063	65.434	39.358	28.599
NT2RP2002079	15.378	6.595	12.418	5.815	11.345	7.129	16.510	27.362
NT2RP2002099	78.520	17.490	39.514	8.705	17.165	51.830	37.473	36.146
NT2RP2002105	45.619	26.109	41.837	15.263	18.979	33.970	43.561	26.203
NT2RP2002115	4.270	4.361	2.711	1.795	2.838	1.055	1.725	0.659
NT2RP2002124	9.528	14.188	19.276	6.091	6.494	4.046	5.259	20.125
NT2RP2002137	42.205	16.239	58.339	7.326	12.132	22.097	14.684	13.003

Table 86

NT2RP2002139	134.906	45.566	87.430	23.245	34.053	84.389	66.692	39.692
NT2RP2002154	73.877	40.956	58.084	17.359	21.276	53.977	32.847	25.981
NT2RP2002155	312.813	448.404	208.112	246.578	165.102	220.200	117.089	396.951
NT2RP2002172	30.233	30.674	55.659	15.991	11.479	50.028	14.567	76.933
NT2RP2002185	35.127	22.047	31.771	9.436	13.476	23.455	23.637	18.868
NT2RP2002188	281.595	70.032	141.729	44.333	58.463	164.587	118.094	78.046
NT2RP2002192	28.830	19.474	84.849	18.536	13.421	8.267	10.908	25.727
NT2RP2002193	51.545	23.270	33.672	10.534	17.989	33.897	31.972	33.050
NT2RP2002208	28.592	23.922	46.625	15.986	13.078	25.948	18.689	40.263
NT2RP2002219	13.529	18.299	23.304	8.697	7.005	20.832	6.994	4.421
NT2RP2002231	3.623	9.145	18.238	6.451	5.394	5.290	2.444	1.640
NT2RP2002232	41.922	30.600	40.665	10.290	12.646	31.637	16.070	23.193
NT2RP2002235	25.174	12.829	11.461	1.747	8.624	10.246	12.594	16.053
NT2RP2002239	123.883	99.627	183.537	54.220	35.311	68.845	72.486	114.538
NT2RP2002252	173.209	45.051	80.502	16.296	33.546	82.843	82.445	52.048
NT2RP2002256	6.776	3.892	12.301	3.488	7.236	6.566	9.391	9.526
NT2RP2002257	14.914	18.059	11.330	3.304	7.442	11.747	12.965	136.057
NT2RP2002259	25.623	20.902	41.590	9.164	7.968	18.892	22.893	29.020
NT2RP2002264	35.467	21.380	27.456	3.962	7.884	26.448	8.234	20.246
NT2RP2002267	99.224	90.968	353.970	55.091	43.373	63.895	30.469	55.401
NT2RP2002270	12.038	20.146	13.141	7.551	3.523	7.777	6.701	19.108
NT2RP2002281	49.615	38.410	43.936	21.926	17.935	51.455	14.825	35.239
NT2RP2002288	18.840	15.310	15.237	4.623	8.951	4.505	6.438	4.321
NT2RP2002292	70.138	79.487	98.062	32.152	32.815	48.306	41.287	55.682
NT2RP2002299	28.411	21.790	28.450	15.762	10.016	23.812	12.394	31.923
NT2RP2002304	17.776	27.505	25.401	9.478	10.570	14.112	10.173	10.213
NT2RP2002312	32.053	26.004	19.733	5.118	10.392	41.845	21.011	16.815
NT2RP2002316	15.618	29.406	20.363	11.321	29.588	18.868	17.862	43.519
NT2RP2002325	32.321	23.882	28.697	6.692	9.875	26.436	21.281	36.989
NT2RP2002333	117.384	75.765	92.724	37.475	55.245	56.768	79.089	134.509
NT2RP2002371	35.025	49.789	54.117	20.073	31.179	10.486	24.281	48.279
NT2RP2002373	73.024	55.638	58.797	24.729	33.686	48.754	58.440	58.483
NT2RP2002381	4.610	6.610	5.950	2.906	4.109	10.398	7.035	3.142
NT2RP2002385	73.600	28.798	39.973	10.268	23.738	57.377	29.062	18.367
NT2RP2002394	4.749	3.341	5.573	1.941	3.227	11.225	3.017	2.611
NT2RP2002408	30.199	16.610	24.803	8.840	17.966	22.778	22.751	14.463
NT2RP2002409	466.226	415.995	746.844	183.086	221.410	247.550	216.812	235.852
NT2RP2002424	73.955	40.022	38.701	11.417	27.269	38.757	36.192	25.977
NT2RP2002426	42.246	46.209	138.641	18.951	43.167	21.993	14.146	29.925
NT2RP2002429	38.796	37.515	37.290	13.976	31.959	40.592	16.576	28.408
NT2RP2002437	41.182	44.109	103.486	16.002	6.706	22.769	11.006	18.502
NT2RP2002439	300.787	110.081	147.018	33.619	60.331	171.025	155.332	90.923
NT2RP2002442	51.674	59.162	57.683	24.271	21.412	43.427	38.136	78.512
NT2RP2002457	87.804	91.782	200.265	53.883	50.903	42.083	43.069	58.125
NT2RP2002464	97.665	38.612	69.981	20.743	31.183	68.794	48.779	34.847
NT2RP2002476	87.229	49.226	48.473	16.952	38.579	51.432	45.816	27.004
NT2RP2002478	43.495	20.334	24.184	10.295	13.868	35.366	19.292	22.684
NT2RP2002487	95.041	44.922	72.897	21.815	31.046	43.690	37.943	47.177
NT2RP2002498	32.022	15.599	33.143	12.736	8.092	15.582	24.301	15.152
NT2RP2002503	143.137	80.337	119.421	48.392	35.509	96.570	63.743	69.363
NT2RP2002504	28.779	12.130	143.283	15.019	25.676	16.936	24.798	15.731
NT2RP2002510	389.826	185.539	464.842	123.573	125.657	192.079	171.751	115.972
NT2RP2002520	28.465	20.629	47.388	22.909	14.948	38.504	25.659	37.802
NT2RP2002527	82.404	66.911	163.583	35.753	34.220	51.754	33.562	45.539
NT2RP2002533	453.205	209.788	357.064	113.267	150.283	251.157	262.839	188.717
NT2RP2002537	39.475	40.266	89.504	25.835	20.657	31.517	13.708	23.210
NT2RP2002542	68.000	79.669	80.611	82.297	29.448	38.068	33.806	62.834
NT2RP2002546	27.656	17.241	60.211	11.584	0.000	26.089	6.935	5.274
NT2RP2002549	41.394	22.287	57.825	30.309	7.713	40.681	12.786	23.580
NT2RP2002564	135.808	83.403	115.471	41.607	30.969	95.939	62.575	50.150
NT2RP2002591	34.917	38.064	103.843	37.411	25.346	30.888	24.127	41.780
NT2RP2002595	29.155	28.991	47.139	17.440	18.604	24.511	28.272	25.178
NT2RP2002602	62.164	42.498	49.598	18.894	40.679	48.767	25.334	7.981
NT2RP2002606	23.368	18.641	18.058	7.405	14.392	5.066	8.402	33.190

Table 87

	NT2RP2002609	51.566	22.622	50.513	17.534	20.249	18.692	26.812	44.491
	NT2RP2002618	54.802	20.530	64.541	20.957	20.177	31.222	20.834	32.080
5	NT2RP2002621	108.854	151.631	361.642	75.866	73.104	87.556	37.662	72.940
	NT2RP2002643	79.459	49.749	159.326	32.265	31.588	30.054	50.389	48.139
	NT2RP2002672	97.309	70.875	124.816	41.317	54.912	65.362	54.912	61.191
	NT2RP2002673	33.731	27.367	31.454	11.741	16.225	18.592	18.872	41.668
	NT2RP2002674	13.503	12.059	23.980	5.008	15.903	5.926	8.720	8.883
	NT2RP2002686	45.156	22.604	57.057	22.253	22.373	30.389	27.672	13.377
10	NT2RP2002688	85.273	71.163	154.737	61.783	35.115	56.421	42.460	68.118
	NT2RP2002696	80.865	40.613	62.941	16.213	22.197	43.453	30.540	28.172
	NT2RP2002701	68.274	58.034	54.220	24.008	29.811	75.585	54.744	29.997
	NT2RP2002706	66.710	49.408	147.083	42.409	25.501	40.462	31.482	31.678
	NT2RP2002710	876.030	389.806	785.892	246.642	312.053	990.051	876.290	401.334
	NT2RP2002721	120.344	48.897	112.902	26.906	37.076	81.599	62.600	40.801
	NT2RP2002727	19.985	16.809	28.658	5.885	10.968	18.932	17.127	19.197
15	NT2RP2002734	84.484	81.389	244.997	57.973	45.229	35.711	33.199	39.655
	NT2RP2002736	18.170	7.757	29.873	5.264	10.456	10.179	9.257	11.010
	NT2RP2002740	13.219	14.424	23.343	12.863	6.975	8.152	8.795	7.772
	NT2RP2002741	77.823	67.266	223.592	33.955	36.594	51.261	45.295	14.049
	NT2RP2002750	140.558	111.369	512.500	99.367	68.412	72.711	76.999	72.280
20	NT2RP2002752	177.349	105.312	290.520	63.592	64.508	103.376	92.228	65.849
	NT2RP2002753	131.824	60.851	110.980	32.981	43.667	85.850	102.908	117.429
	NT2RP2002760	130.675	58.967	119.405	28.837	37.588	59.420	51.267	51.768
	NT2RP2002769	19.077	14.018	32.873	14.190	12.332	10.357	15.988	25.043
	NT2RP2002778	38.616	37.548	30.303	18.271	16.022	71.865	31.460	77.045
	NT2RP2002791	95.319	55.458	105.096	34.190	38.076	66.995	54.639	45.519
	NT2RP2002800	90.052	59.554	197.798	40.413	37.123	87.119	52.880	48.173
25	NT2RP2002806	14.997	12.041	9.573	4.470	8.397	5.324	5.699	14.665
	NT2RP2002811	84.563	36.955	70.308	17.273	24.509	89.018	46.163	49.186
	NT2RP2002824	44.392	48.364	75.269	21.980	25.621	56.385	42.073	38.118
	NT2RP2002839	45.683	28.499	42.893	12.083	18.567	22.078	23.650	21.604
	NT2RP2002845	46.337	22.545	45.003	11.450	16.060	6.978	26.900	14.552
	NT2RP2002857	26.773	11.114	27.648	7.358	7.968	15.413	17.314	11.937
30	NT2RP2002862	122.430	114.903	392.000	81.893	61.001	82.758	60.301	50.334
	NT2RP2002880	46.913	32.677	29.822	12.750	16.704	35.359	14.768	24.866
	NT2RP2002885	24.335	26.185	27.174	10.146	19.062	54.580	55.170	22.593
	NT2RP2002891	33.411	27.772	38.018	14.600	16.632	38.658	34.150	26.201
	NT2RP2002907	31.117	36.465	35.948	13.227	13.010	49.335	37.225	26.747
	NT2RP2002925	30.213	17.281	33.288	11.072	11.726	25.559	24.754	17.499
35	NT2RP2002927	21.224	35.383	40.639	21.437	7.365	35.485	14.771	39.460
	NT2RP2002928	13.771	14.521	49.574	11.977	6.869	9.129	7.289	8.057
	NT2RP2002929	21.741	22.530	32.027	7.934	12.601	20.143	13.573	25.568
	NT2RP2002934	63.248	35.331	42.688	10.849	16.987	39.637	27.937	23.467
	NT2RP2002939	53.914	30.833	62.082	15.330	19.313	35.512	35.749	26.290
	NT2RP2002942	82.129	82.694	187.805	50.572	53.315	49.000	38.922	90.399
40	NT2RP2002954	33.490	25.335	35.779	11.591	11.217	27.293	16.672	26.618
	NT2RP2002959	18.029	22.305	18.230	8.391	14.540	12.392	9.227	31.203
	NT2RP2002974	34.775	17.807	29.755	6.220	18.382	28.562	36.888	41.144
	NT2RP2002976	7.266	6.893	13.152	2.886	5.205	17.007	6.657	17.861
	NT2RP2002979	156.906	139.229	395.529	82.939	71.144	104.220	76.074	81.377
	NT2RP2002980	98.467	79.422	285.396	49.557	40.675	57.510	33.004	50.480
	NT2RP2002988	210.452	68.962	105.842	25.570	34.404	156.863	89.482	35.844
45	NT2RP2002987	170.131	130.848	355.987	114.067	85.014	125.562	105.241	119.400
	NT2RP2002988	35.092	33.804	42.437	7.516	22.093	78.216	26.257	53.462
	NT2RP2002993	41.408	20.150	29.978	8.083	13.951	19.869	17.068	17.776
	NT2RP2003060	91.683	72.701	285.303	52.674	45.922	52.225	38.486	61.960
	NT2RP2003008	19.429	42.300	26.458	14.959	11.323	22.796	23.430	31.344
	NT2RP2003020	146.283	83.102	231.026	31.287	198.298	95.120	89.298	74.362
50	NT2RP2003032	42.858	35.052	46.187	15.872	16.376	25.572	24.460	29.698
	NT2RP2003034	97.685	100.455	302.158	45.216	40.853	44.346	20.833	60.360
	NT2RP2003042	32.097	30.146	30.859	9.131	14.406	14.312	25.483	23.898
	NT2RP2003050	43.965	23.480	42.358	12.150	15.913	20.938	29.611	20.940
	NT2RP2003060	43.467	23.385	32.696	13.554	17.473	48.442	37.686	31.235
	NT2RP2003073	90.622	74.038	305.973	46.484	45.555	68.737	36.287	64.071

Table 88

NT2RP2003099	69.980	61.964	197.831	28.962	29.485	52.756	36.145	46.753
NT2RP2003108	22.037	23.450	29.734	12.784	12.243	25.414	19.582	14.441
NT2RP2003115	175.202	76.490	219.003	26.090	53.025	89.403	96.086	53.165
NT2RP2003117	132.572	135.106	428.449	65.631	66.802	77.649	41.504	75.169
NT2RP2003121	77.521	49.860	42.009	15.143	26.745	31.652	32.041	27.916
NT2RP2003125	35.377	29.656	27.135	9.957	16.383	12.805	20.265	8.252
NT2RP2003127	29.566	16.867	20.397	5.212	10.531	18.240	19.752	7.540
NT2RP2003129	50.461	54.112	157.477	25.025	29.892	16.686	23.103	33.770
NT2RP2003137	8.001	18.759	14.140	10.321	7.469	15.281	5.429	3.225
NT2RP2003138	52.296	44.278	85.267	21.446	22.368	30.612	24.709	34.031
NT2RP2003146	55.329	37.398	52.403	14.492	12.222	29.608	23.329	32.663
NT2RP2003148	150.386	104.523	330.270	60.524	70.523	90.836	76.602	100.291
NT2RP2003150	26.432	11.157	23.761	15.678	11.132	36.468	7.133	18.954
NT2RP2003157	58.172	46.518	64.963	42.288	23.422	50.314	42.129	48.145
NT2RP2003158	44.248	20.906	37.740	8.136	17.954	27.119	19.062	38.471
NT2RP2003161	19.274	11.968	16.062	2.701	7.578	17.086	7.441	31.024
NT2RP2003164	49.401	19.110	28.830	12.219	12.819	22.155	19.787	34.090
NT2RP2003165	89.985	65.955	218.487	37.132	35.205	34.406	24.887	33.303
NT2RP2003177	43.598	22.142	51.196	11.148	9.934	15.303	13.349	69.154
NT2RP2003178	69.718	46.328	169.618	30.883	22.456	37.444	43.967	45.776
NT2RP2003184	144.137	17.980	22.293	13.420	10.852	20.144	19.065	43.611
NT2RP2003206	7.840	5.369	10.850	6.014	4.029	11.290	7.725	3.709
NT2RP2003210	51.322	21.586	38.521	12.974	17.884	37.608	30.477	29.805
NT2RP2003227	42.906	18.716	24.162	17.143	9.513	37.425	15.949	23.165
NT2RP2003228	58.612	29.572	62.903	22.926	28.577	30.449	37.367	63.378
NT2RP2003230	5.885	10.431	148.181	5.253	9.252	9.617	6.228	22.492
NT2RP2003231	69.197	41.691	59.459	34.789	15.272	58.827	33.617	37.859
NT2RP2003237	30.563	38.860	123.572	28.832	11.050	15.189	9.580	23.097
NT2RP2003239	33.469	21.053	50.845	20.348	11.513	25.692	7.484	35.924
NT2RP2003243	145.467	34.182	76.360	17.705	28.702	66.482	55.093	28.921
NT2RP2003265	29.516	23.976	32.673	9.710	15.918	17.608	20.157	14.165
NT2RP2003287	65.087	29.515	67.969	24.282	21.518	34.797	27.241	43.679
NT2RP2003272	41.457	22.351	19.055	27.076	19.762	28.028	26.982	45.977
NT2RP2003277	107.913	82.634	92.986	31.633	32.424	67.812	26.460	53.116
NT2RP2003280	19.151	14.918	20.689	11.633	7.567	49.338	5.070	12.961
NT2RP2003286	21.848	17.740	29.829	11.104	6.965	28.110	26.734	26.233
NT2RP2003293	94.719	83.407	364.260	78.134	56.105	78.539	44.376	97.047
NT2RP2003295	17.874	16.886	18.717	18.256	19.625	15.088	25.617	16.166
NT2RP2003297	9.592	10.816	15.547	2.211	5.615	8.461	10.162	5.662
NT2RP2003300	15.144	16.953	26.519	10.354	14.045	6.847	8.974	11.058
NT2RP2003302	22.071	15.550	64.230	26.397	10.289	12.880	11.722	68.523
NT2RP2003307	22.086	9.418	17.120	5.220	6.112	15.691	17.396	7.096
NT2RP2003308	17.436	24.315	20.930	11.886	7.814	20.422	12.860	31.766
NT2RP2003311	22.001	9.144	13.842	5.360	10.074	18.616	5.176	21.746
NT2RP2003328	44.872	14.471	19.861	10.976	13.401	22.292	12.093	14.770
NT2RP2003339	20.422	19.625	85.412	16.458	12.443	17.818	9.125	13.152
NT2RP2003345	23.118	8.297	17.237	4.695	8.379	12.952	12.259	23.215
NT2RP2003347	12.389	4.636	9.822	7.720	7.500	12.461	7.182	16.011
NT2RP2003367	10.794	19.368	21.160	7.884	14.120	12.142	14.419	13.409
NT2RP2003368	41.141	18.327	38.318	11.072	14.356	33.971	28.126	19.613
NT2RP2003383	55.891	32.218	76.058	21.558	27.536	76.861	50.564	36.175
NT2RP2003390	73.620	57.765	91.034	41.124	36.639	63.744	46.234	42.766
NT2RP2003391	241.564	161.239	277.051	75.828	95.432	220.668	152.546	143.981
NT2RP2003393	11.758	13.507	20.112	4.687	11.809	12.940	19.991	21.749
NT2RP2003394	7.323	9.816	9.506	2.871	10.713	1.307	6.346	14.753
NT2RP2003401	25.259	3.938	8.376	2.832	4.096	7.246	16.169	7.442
NT2RP2003403	31.239	26.205	109.072	18.680	14.206	9.380	14.946	8.745
NT2RP2003433	79.603	33.408	70.460	19.431	29.526	42.730	34.783	28.629
NT2RP2003445	38.525	33.248	95.090	23.648	21.333	27.951	21.347	33.662
NT2RP2003446	67.228	39.971	49.302	18.878	21.829	54.339	39.113	29.464
NT2RP2003456	1.902	13.833	10.178	7.437	1.522	5.049	1.410	3.486
NT2RP2003466	72.001	27.022	47.862	12.506	26.814	66.543	51.004	41.515
NT2RP2003469	35.915	29.791	90.766	19.568	17.254	24.857	16.952	39.575
NT2RP2003470	20.820	31.916	84.744	64.680	20.126	61.522	22.215	98.657

Table 89

NT2RP2003471	7.424	5.547	6.488	7.037	5.447	6.505	7.782	10.212
NT2RP2003480	78.094	65.408	137.798	31.787	40.594	58.633	37.776	39.678
NT2RP2003495	15.982	11.924	14.233	7.870	5.725	11.076	8.329	14.404
NT2RP2003499	55.449	13.382	25.597	4.229	14.517	54.430	36.252	15.105
NT2RP2003505	55.425	27.024	46.996	11.964	7.933	31.002	31.997	27.989
NT2RP2003508	29.029	19.816	26.696	9.949	12.205	23.185	12.152	24.906
NT2RP2003511	85.237	37.479	50.383	22.212	25.152	50.854	41.079	36.551
NT2RP2003513	2.085	4.521	4.122	3.531	5.027	3.740	2.918	7.377
NT2RP2003517	37.834	17.587	35.502	11.597	12.069	30.516	43.651	39.873
NT2RP2003522	24.832	37.794	30.938	13.985	21.613	21.384	15.975	15.713
NT2RP2003525	112.839	77.947	318.616	53.968	64.300	64.511	45.220	44.281
NT2RP2003533	95.494	87.932	267.080	44.833	35.543	46.891	33.401	37.402
NT2RP2003541	59.237	40.256	51.598	18.653	24.451	41.018	38.504	58.566
NT2RP2003543	60.456	24.016	25.862	11.661	16.145	17.623	31.288	25.312
NT2RP2003545	5.111	9.859	11.338	12.197	5.950	2.774	8.060	34.030
NT2RP2003559	26.905	22.287	37.874	13.292	12.911	24.477	17.350	31.685
NT2RP2003564	29.146	18.045	64.896	13.749	13.213	15.703	17.055	25.744
NT2RP2003565	71.340	106.907	131.344	34.826	44.614	78.728	62.826	61.650
NT2RP2003567	70.892	54.381	72.715	19.440	21.968	61.162	50.325	46.459
NT2RP2003575	8.045	11.848	16.656	3.697	4.227	5.271	7.753	9.628
NT2RP2003576	94.175	119.128	189.789	159.528	39.210	94.530	84.153	280.017
NT2RP2003579	55.985	110.923	72.170	19.865	32.853	121.326	99.589	58.803
NT2RP2003581	72.231	34.935	63.218	15.922	25.161	44.829	45.801	38.825
NT2RP2003587	109.102	46.403	76.235	20.483	28.667	127.344	62.139	47.892
NT2RP2003590	27.361	26.330	26.653	9.837	5.016	24.313	17.397	36.147
NT2RP2003593	98.848	66.189	91.401	17.565	31.030	61.583	54.982	58.233
NT2RP2003596	20.156	17.830	46.567	15.376	7.364	8.849	10.462	35.925
NT2RP2003599	99.163	72.506	53.708	30.551	33.831	64.394	76.259	72.122
NT2RP2003600	39.566	25.200	27.397	13.373	16.019	22.567	30.947	25.783
NT2RP2003604	30.188	48.497	24.769	15.841	13.513	20.832	18.908	35.739
NT2RP2003629	12.593	10.012	13.520	5.134	7.235	8.896	12.558	21.197
NT2RP2003630	55.769	31.553	55.456	13.290	24.270	37.506	32.166	28.383
NT2RP2003643	20.532	14.638	38.212	9.363	17.760	18.713	18.506	19.629
NT2RP2003655	46.795	29.612	38.397	10.145	18.688	20.220	24.997	18.685
NT2RP2003664	23.372	28.188	21.831	11.981	11.047	39.022	14.701	15.715
NT2RP2003668	98.074	77.678	215.011	48.838	58.733	45.358	46.022	49.968
NT2RP2003687	36.469	27.937	30.101	11.600	12.659	14.676	15.349	16.155
NT2RP2003691	57.166	66.814	140.266	28.579	24.877	10.915	18.651	30.704
NT2RP2003702	77.231	74.259	157.835	37.740	29.289	33.935	36.174	35.262
NT2RP2003704	33.958	19.273	90.406	13.087	15.614	12.526	13.208	27.631
NT2RP2003706	15.581	9.802	10.782	1.905	1.888	20.850	8.045	6.106
NT2RP2003713	18.960	13.155	19.058	12.333	6.597	11.248	12.533	12.834
NT2RP2003714	58.106	48.190	156.974	28.216	25.935	21.990	15.804	26.140
NT2RP2003727	16.878	30.048	11.471	24.840	10.360	26.581	2.051	18.209
NT2RP2003737	35.097	27.826	24.696	15.279	8.490	48.230	26.577	18.778
NT2RP2003751	24.927	12.926	14.285	5.654	5.362	15.115	11.036	11.385
NT2RP2003760	61.954	14.851	34.689	31.937	11.912	70.013	35.412	50.086
NT2RP2003764	70.923	28.030	49.140	23.190	33.253	31.845	28.042	21.978
NT2RP2003768	42.617	20.886	27.699	7.054	10.396	11.852	16.178	10.912
NT2RP2003770	137.506	66.296	82.283	29.001	19.657	59.586	43.465	55.063
NT2RP2003777	79.392	37.432	49.453	21.542	23.944	31.481	38.443	30.003
NT2RP2003781	113.598	78.822	248.846	43.005	41.064	65.158	51.558	43.936
NT2RP2003785	39.008	38.895	81.842	23.800	81.398	60.210	21.078	32.965
NT2RP2003793	29.403	32.842	38.373	11.279	11.070	27.094	13.519	16.114
NT2RP2003806	141.377	86.683	300.547	58.391	57.427	54.142	52.055	74.576
NT2RP2003825	200.861	142.661	421.147	81.431	83.143	96.953	65.464	115.589
NT2RP2003840	100.905	61.436	80.952	27.801	38.812	73.708	55.685	43.672
NT2RP2003857	135.915	89.087	88.444	48.707	32.982	109.107	68.696	63.138
NT2RP2003859	112.898	91.670	144.716	35.434	18.445	66.240	39.367	23.246
NT2RP2003871	16.891	14.873	18.946	20.075	9.742	10.433	8.276	13.332
NT2RP2003876	20.553	18.667	33.132	17.736	9.744	22.067	11.629	10.917
NT2RP2003878	10.935	24.440	15.728	7.186	11.534	5.285	2.003	13.835
NT2RP2003885	86.861	91.093	40.636	9.621	12.995	23.247	25.798	7.129
NT2RP2003898	42.684	30.561	43.471	13.576	37.187	19.007	22.509	33.529

Table 90

	NT2RP2003902	147.643	124.985	109.475	45.984	48.594	124.353	51.962	58.344
	NT2RP2003912	125.311	242.124	511.945	129.243	109.998	129.880	47.537	95.222
5	NT2RP2003931	26.887	8.179	6.459	2.307	5.260	8.153	1.858	3.142
	NT2RP2003940	186.397	64.618	262.034	55.607	30.649	41.635	23.343	65.087
	NT2RP2003950	36.158	19.195	49.413	13.592	20.939	19.343	26.770	21.989
	NT2RP2003952	15.955	17.931	35.750	13.974	12.406	27.300	20.083	13.016
	NT2RP2003968	45.877	22.833	13.459	11.361	12.355	12.353	12.010	25.113
	NT2RP2003978	37.958	44.808	95.495	38.986	28.544	21.209	8.325	15.117
10	NT2RP2003981	38.654	43.006	57.657	15.338	29.345	30.659	23.563	25.867
	NT2RP2003984	132.353	65.644	60.516	16.394	44.914	84.097	45.289	33.280
	NT2RP2003986	186.062	146.313	421.324	109.891	71.468	70.656	43.927	53.945
	NT2RP2003988	112.131	82.329	348.163	81.784	60.909	64.387	44.174	58.384
	NT2RP2004013	35.821	31.054	41.104	24.447	20.809	33.899	21.394	38.113
	NT2RP2004014	51.068	77.076	125.407	38.647	29.948	34.055	26.943	33.783
15	NT2RP2004036	34.592	12.491	12.862	9.166	7.965	9.771	12.722	18.319
	NT2RP2004041	61.828	31.728	66.443	16.578	28.668	39.049	31.113	30.197
	NT2RP2004042	95.416	34.628	56.458	18.193	31.581	50.180	28.757	19.510
	NT2RP2004048	30.836	31.163	33.858	10.780	19.423	28.518	29.763	8.339
	NT2RP2004060	33.939	22.080	47.086	13.117	10.598	29.819	24.922	24.074
	NT2RP2004066	36.839	51.977	61.500	23.281	20.470	26.729	15.403	25.483
	NT2RP2004069	29.217	33.889	47.332	22.168	14.676	23.715	30.550	18.563
20	NT2RP2004076	9.020	12.153	35.232	4.198	9.970	5.069	6.316	20.634
	NT2RP2004080	23.022	8.835	21.895	4.309	8.489	27.512	5.327	10.188
	NT2RP2004081	38.786	30.091	83.806	31.063	33.602	10.431	18.338	56.090
	NT2RP2004088	47.764	21.424	36.354	14.003	22.548	26.497	22.648	13.621
	NT2RP2004108	28.744	38.559	67.714	34.847	23.442	39.884	20.636	48.103
	NT2RP2004124	43.031	24.659	37.232	12.008	12.194	23.487	20.186	21.361
25	NT2RP2004130	62.738	36.522	73.772	37.407	24.390	44.094	20.478	34.479
	NT2RP2004133	163.939	58.278	112.008	40.808	61.092	157.167	95.384	52.343
	NT2RP2004141	49.570	22.611	50.916	9.793	20.924	53.203	22.033	30.466
	NT2RP2004142	34.850	23.492	33.078	17.102	15.132	27.703	11.237	17.601
	NT2RP2004152	14.256	11.207	21.943	19.655	8.860	14.997	12.981	8.353
	NT2RP2004166	147.447	92.813	238.228	40.497	54.357	70.413	30.081	44.940
30	NT2RP2004170	107.111	64.978	194.673	41.028	56.020	66.291	58.470	56.553
	NT2RP2004172	22.440	15.213	19.562	6.795	12.099	15.400	14.334	12.024
	NT2RP2004176	120.902	23.723	54.734	12.552	24.966	70.512	39.664	28.280
	NT2RP2004179	72.406	30.327	45.178	12.821	11.733	33.905	35.842	30.011
	NT2RP2004187	25.235	21.870	33.704	11.364	19.908	8.982	12.208	16.442
	NT2RP2004180	33.406	32.037	37.882	8.251	10.063	16.897	16.826	36.649
35	NT2RP2004194	84.064	81.541	54.017	35.398	25.386	70.700	59.372	84.014
	NT2RP2004196	105.711	65.320	61.236	35.178	35.795	83.939	40.164	46.168
	NT2RP2004205	144.445	71.761	300.198	38.897	46.886	102.336	55.538	55.936
	NT2RP2004207	34.894	12.571	14.703	6.333	7.074	34.908	17.403	14.550
	NT2RP2004226	63.802	26.160	69.559	17.665	24.160	72.242	27.469	21.672
	NT2RP2004232	19.053	14.404	25.695	7.555	9.877	15.593	12.523	32.679
40	NT2RP2004239	49.739	30.594	47.840	22.915	18.596	31.416	32.672	84.520
	NT2RP2004240	43.946	56.977	36.742	39.656	38.450	39.881	22.758	41.302
	NT2RP2004242	24.272	10.675	24.496	11.743	14.023	31.038	18.900	15.124
	NT2RP2004245	18.673	23.813	15.945	12.936	16.016	18.326	7.178	10.903
	NT2RP2004270	234.182	227.894	511.563	104.046	110.474	124.225	90.436	89.248
	NT2RP2004300	59.573	43.407	77.768	15.466	13.124	34.892	25.094	19.570
	NT2RP2004304	30.539	31.035	68.652	13.187	14.829	18.430	12.663	17.214
45	NT2RP2004313	52.639	26.629	35.836	12.439	13.307	42.833	29.621	25.693
	NT2RP2004316	7.937	6.053	8.996	2.798	3.869	5.139	1.817	5.009
	NT2RP2004321	16.873	18.267	25.584	5.327	9.905	12.235	12.417	6.754
	NT2RP2004336	27.640	16.775	31.426	5.804	11.702	19.152	18.808	17.712
	NT2RP2004339	253.896	255.780	749.568	115.658	151.722	126.261	70.845	110.855
	NT2RP2004347	39.311	42.402	63.341	12.445	14.095	30.534	11.378	12.471
50	NT2RP2004364	71.148	60.019	167.378	28.894	26.652	36.565	22.223	23.600
	NT2RP2004365	27.548	25.940	29.162	10.909	8.661	13.199	18.665	18.356
	NT2RP2004368	34.341	34.055	33.525	8.555	14.786	3.641	15.740	27.122
	NT2RP2004373	28.456	29.195	22.244	7.193	17.101	34.007	21.569	14.963
	NT2RP2004375	22.258	23.633	23.795	24.768	8.964	14.617	11.607	28.153
55	NT2RP2004389	26.163	41.878	17.940	11.246	10.837	22.718	14.078	16.693